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 **PALM INTRANET**

## Inventor Information for 10/759130

| Inventor Name  | City      | State/Country |
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| US<br>20060067635<br>A1 | US-<br>PGPUB | 20060330 | 10 | Planetary cleaning motion optical connector cleaner  | 385/134   | 385/115;<br>385/120;<br>385/136;<br>385/137;<br>385/147 | Carberry; John et al.                |
| US<br>20060051569<br>A1 | US-<br>PGPUB | 20060309 |    | Integrated co-injection molded vehicle components and methods of making the same                 | 428/318.8 | 428/319.3   | Porter; Marshall Ray et al.          |
| US<br>20060036612<br>A1 | US-<br>PGPUB | 20060216 | 47 | Document assembly system   | 707/100   |   | Harrop; Jason Brett et al.           |
| US<br>20060031232<br>A1 | US-<br>PGPUB | 20060209 |    | Management tool programs message distribution  | 707/100   |   | Jahn; Keith E. et al.                |
| US<br>20060026573<br>A1 | US-<br>PGPUB | 20060202 |    | Method and system for accepting precompiled information  | 717/140   |   | Smith; Michael D. et al.             |
| US<br>20060015254<br>A1 | US-<br>PGPUB | 20060119 |    | User-centric event reporting   | 702/3     | 340/905;<br>340/995.1                                   | Smith; Michael R.                    |
| US<br>20060011948<br>A1 | US-<br>PGPUB | 20060119 |    | Structure and method of fabricating a transistor having a trench gate                            | 257/202   |   | Smith; Michael et al.                |
| US<br>20060002299<br>A1 | US-<br>PGPUB | 20060105 |    | Method and apparatus for detecting support for a protocol defining supplemental headers          | 370/236   |   | Mushtaq; Faisal et al.               |
| US<br>20060000487<br>A1 | US-<br>PGPUB | 20060105 |    | Megasonic cleaning efficiency using auto-tuning of a RF generator at constant maximum efficiency | 134/1     | 134/184   | Boyd; John et al.                    |
| US<br>20050283716<br>A1 | US-<br>PGPUB | 20051222 |    | Method and apparatus for reducing false error detection in a microprocessor                      | 714/805   |   | Mukherjee, Shubhendu S. et al.       |
| US<br>20050283712<br>A1 | US-<br>PGPUB | 20051222 |    | Method and apparatus for reducing false error detection in a redundant multi-threaded system     | 714/764   |   | Mukherjee, Shubhendu S. et al.       |
| US<br>20050272850<br>A1 | US-<br>PGPUB | 20051208 |    | Process for the preparation of rubber extender oil compositions                                  | 524/484   | 524/485;<br>524/486;<br>524/491;<br>524/848             | Jois, Yajnanarayana Halmuthur et al. |
| US<br>20050269627<br>A1 | US-<br>PGPUB | 20051208 |    | Trench corner effect bidirectional flash memory cell   | 257/324   | 257/314;<br>438/261                                     | Smith, Michael                       |
| US<br>20050269625<br>A1 | US-<br>PGPUB | 20051208 |    | Trench corner effect bidirectional flash memory cell   | 257/315   |   | Smith, Michael                       |
| US<br>20050268430<br>A1 | US-<br>PGPUB | 20051208 |    | Multiple self locking hinge assembly   | 16/221    |   | Cohen, Arnold H. et al.              |
| US                      | US-          | 20051124 |    | System and method for  | 370/389   |   | Smith, Michael                       |

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| 20050259649<br>A1       | PGPUB        |          |  | implementing multiple spanning trees per network  |           |   | R.                             |
| US<br>20050259646<br>A1 | US-<br>PGPUB | 20051124 |  | Virtual network device clusters   | 370/389   |   | Smith, Michael R. et al.       |
| US<br>20050258480<br>A1 | US-<br>PGPUB | 20051124 |  | Trench corner effect bidirectional flash memory cell  | 257/329   |   | Smith, Michael                 |
| US<br>20050255638<br>A1 | US-<br>PGPUB | 20051117 |  | Trench corner effect bidirectional flash memory cell  | 438/142   |   | Smith, Michael                 |
| US<br>20050253186<br>A1 | US-<br>PGPUB | 20051117 |  | Trench corner effect bidirectional flash memory cell  | 257/324   | 257/315;<br>438/216   | Smith, Michael                 |
| US<br>20050253185<br>A1 | US-<br>PGPUB | 20051117 |  | Trench corner effect bidirectional flash memory cell  | 257/316   |   | Smith, Michael                 |
| US<br>20050246870<br>A1 | US-<br>PGPUB | 20051110 |  | Spring fastener with highly improved removal to insertion ratio   | 24/295    |   | Dickenson, Daniel James et al. |
| US<br>20050243826<br>A1 | US-<br>PGPUB | 20051103 |  | Intelligent adjunct network device  | 370/392   |   | Smith, Michael R. et al.       |
| US<br>20050240378<br>A1 | US-<br>PGPUB | 20051027 |  | User-centric event reporting with follow-up information   | 702/188   |   | Smith, Michael R. et al.       |
| US<br>20050230522<br>A1 | US-<br>PGPUB | 20051020 |  | Wing-drive mechanism and vehicle employing same   | 244/22    |   | Smith, Michael J. C.           |
| US<br>20050229667<br>A1 | US-<br>PGPUB | 20051020 |  | Apparatus and method for forming internally ribbed or rifled tubes  | 72/283    |   | Jesson, John E. et al.         |
| US<br>20050224685<br>A1 | US-<br>PGPUB | 20051013 |  | Variable stiffness support  | 248/566   | 267/136   | Haynes, David F et al.         |
| US<br>20050219209<br>A1 | US-<br>PGPUB | 20051006 |  | Keyboard for a hand-held portable computer  | 345/157   |   | Fleck, Rod G. et al.           |
| US<br>20050217137<br>A1 | US-<br>PGPUB | 20051006 |  | CONCENTRIC PROXIMITY PROCESSING HEAD  | 34/407    | 34/92   | Smith, Michael G.R. et al.     |
| US<br>20050204182<br>A1 | US-<br>PGPUB | 20050915 |  | Method and system for a service consumer to control applications that behave incorrectly when requesting services | 714/4     |   | Smith, Michael D. et al.       |
| US<br>20050203087<br>A1 | US-<br>PGPUB | 20050915 |  | Inhibitors of protein tyrosine phosphatase 1B   | 514/232.2 | 514/252.13;<br>514/256;<br>514/326;<br>514/397;<br>514/422; | Lee, Jinbo et al.              |

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| US<br>20050203081<br>A1 | US-<br>PGPUB | 20050915 |  | Inhibitors of protein tyrosine<br>phosphatase 1B   | 514/215 | 514/301;<br>514/412;<br>514/443;<br>546/114;<br>548/453;<br>549/49 | Lee, Jinbo et al.             |
| US<br>20050198371<br>A1 | US-<br>PGPUB | 20050908 |  | Interface bundles in virtual<br>network devices  | 709/238 |  | Smith, Michael<br>R. et al.   |
| US<br>20050197798<br>A1 | US-<br>PGPUB | 20050908 |  | Graphical user interface and<br>approach therefor  | 702/120 |  | Avery, Daniel<br>Lee et al.   |
| US<br>20050197775<br>A1 | US-<br>PGPUB | 20050908 |  | User-centric event reporting   | 702/3   | 340/539.13;<br>340/905;<br>340/995.13                              | Smith, Michael<br>R.          |
| US<br>20050194288<br>A1 | US-<br>PGPUB | 20050908 |  | Process to prepare a lubricating<br>base oil   | 208/87  | 208/27;<br>208/58;<br>208/89                                       | Holland, John<br>Barry et al. |
| US<br>20050193112<br>A1 | US-<br>PGPUB | 20050901 |  | Method and system for resolving<br>disputes between service providers<br>and service consumers                 | 709/225 |  | Smith, Michael<br>D. et al.   |
| US<br>20050192877<br>A1 | US-<br>PGPUB | 20050901 |  | Method and system for a service<br>provider to control exposure to<br>non-payment by a service<br>consumer     | 705/34  |  | Smith, Michael<br>D. et al.   |
| US<br>20050192819<br>A1 | US-<br>PGPUB | 20050901 |  | Method and system for reducing<br>unsolicited messages using<br>variable pricing and conditional<br>redemption | 705/1   | 705/26   | Smith, Michael<br>D. et al.   |
| US<br>20050192431<br>A1 | US-<br>PGPUB | 20050901 |  | Organic solvent soluble metal<br>complex azo dyes  | 534/696 |  | Smith, Michael<br>J.          |
| US<br>20050163115<br>A1 | US-<br>PGPUB | 20050728 |  | Distributed forwarding in virtual<br>network devices   | 370/389 |  | Dontu, Sitaram<br>et al.      |
| US<br>20050159663<br>A1 | US-<br>PGPUB | 20050721 |  | Method and device for measuring<br>peripheral vascular function  | 600/504 | 600/485  | Smith, Michael<br>et al.      |
| US<br>20050158473<br>A1 | US-<br>PGPUB | 20050721 |  | Proximity substrate preparation<br>sequence, and method, apparatus,<br>and system for implementing the<br>same | 427/299 |  | Raykin, Michael<br>et al.     |
| US<br>20050158463<br>A1 | US-<br>PGPUB | 20050721 |  | Powder coating system and<br>method for quick color change   | 427/180 | 118/326;<br>118/64   | Browning,<br>James M. et al.  |
| US<br>20050148197<br>A1 | US-<br>PGPUB | 20050707 |  | Substrate proximity processing<br>structures and methods for using<br>and making the same                      | 438/745 |  | Woods, Carl et<br>al.         |

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| US<br>20050145265<br>A1 | US-<br>PGPUB | 20050707 |  | Method and apparatus for processing wafer surfaces using thin, high velocity fluid layer                                  | 134/21     | 134/166R;<br>134/34;<br>134/902;<br>134/95.2 | Ravkin, Michael et al.            |
| US<br>20050139318<br>A1 | US-<br>PGPUB | 20050630 |  | Proximity meniscus manifold   | 156/345.21 | 216/88                                       | Woods, Carl et al.                |
| US<br>20050124118<br>A1 | US-<br>PGPUB | 20050609 |  | Structure and method of fabricating a transistor having a trench gate   | 438/270    | 257/E21.429;<br>257/E21.546;<br>438/294      | Smith, Michael et al.             |
| US<br>20050105987<br>A1 | US-<br>PGPUB | 20050519 |  | Spring fastener with highly improved lever/angle pulling force  | 411/508    |  | Giugliano, Michael Anthony et al. |
| US<br>20050104122<br>A1 | US-<br>PGPUB | 20050519 |  | Structure and method of fabricating a transistor having a trench gate   | 257/329    | 257/E21.429;<br>257/E21.546                  | Smith, Michael et al.             |
| US<br>20050097357<br>A1 | US-<br>PGPUB | 20050505 |  | Method and apparatus for providing network security using security labeling   | 726/4      |  | Smith, Michael R.                 |
| US<br>20050091792<br>A1 | US-<br>PGPUB | 20050505 |  | Self locking hinge  | 16/232     |  | Cohen, Arnold H. et al.           |
| US<br>20050086004<br>A1 | US-<br>PGPUB | 20050421 |  | User-centric event reporting  | 702/3      |  | Smith, Michael R.                 |
| US<br>20050074236<br>A1 | US-<br>PGPUB | 20050407 |  | Optical network monitoring system   | 398/12     |  | Urimindi, Reddy et al.            |
| US<br>20050070808<br>A1 | US-<br>PGPUB | 20050331 |  | Signal averaging using gating signal obtained from autocorrelation of input signals                                       | 600/507    |  | Marks, Lloyd et al.               |
| US<br>20050070807<br>A1 | US-<br>PGPUB | 20050331 |  | Methods of diagnosis using pulse volume measurement   | 600/505    | 600/506                                      | Marks, Lloyd et al.               |
| US<br>20050067151<br>A1 | US-<br>PGPUB | 20050331 |  | Increasing evaporation of a process water pond  | 165/108    |  | Miller, Thomas Patrick et al.     |
| US<br>20050063887<br>A1 | US-<br>PGPUB | 20050324 |  | Method and apparatus for zonal injection of chemicals into a furnace convective pass to reduce pollutants from flue gases | 423/235    | 422/168;<br>422/172                          | Arrol, Stuart et al.              |
| US<br>20050063395<br>A1 | US-<br>PGPUB | 20050324 |  | Virtual network device  | 370/399    |  | Smith, Michael et al.             |
| US<br>20050055573<br>A1 | US-<br>PGPUB | 20050310 |  | Method and apparatus for providing network security using role-based access control                                       | 726/4      |  | Smith, Michael R.                 |
| US<br>20050051830<br>A1 | US-<br>PGPUB | 20050310 |  | Trench corner effect bidirectional flash memory cell  | 257/314    | 438/201                                      | Smith, Michael                    |

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| US<br>20050028006<br>A1 | US-<br>PGPUB | 20050203 |  | Computer method and apparatus<br>for managing data objects in a<br>distributed context          | 726/26    |  | Leser, Norbert<br>et al.       |
| US<br>20050025195<br>A1 | US-<br>PGPUB | 20050203 |  | Serial data validity monitor  | 370/532   |  | Barrett, Ian<br>Gordon et al.  |
| US<br>20050011082<br>A1 | US-<br>PGPUB | 20050120 |  | Tape measure device   | 33/758    |  | Smith, Michael<br>J.           |
| US<br>20050008163<br>A1 | US-<br>PGPUB | 20050113 |  | Computer method and apparatus<br>for securely managing data objects<br>in a distributed context | 380/281   |  | Leser, Norbert<br>et al.       |
| US<br>20040254036<br>A1 | US-<br>PGPUB | 20041216 |  | Hand-eye trainer  | 473/423   |  | Smith, Michael<br>J.           |
| US<br>20040245200<br>A1 | US-<br>PGPUB | 20041209 |  | Comestible fluid rack and rail<br>apparatus and method  | 211/189   | 211/175;<br>211/194  | Jersey, Steven<br>T. et al.    |
| US<br>20040216070<br>A1 | US-<br>PGPUB | 20041028 |  | Tools for automatic population of<br>databases  | 716/11    | 707/102  | Smith, Michael<br>A. P.        |
| US<br>20040215664<br>A1 | US-<br>PGPUB | 20041028 |  | Method for promoting contextual<br>information to display pages<br>containing hyperlinks        | 707/104.1 |  | Hennings, Eric<br>et al.       |
| US<br>20040209276<br>A1 | US-<br>PGPUB | 20041021 |  | Thermostable reverse<br>transcriptases and uses thereof   | 435/6     | 435/199;<br>435/252.3;<br>435/320.1;<br>435/69.1;<br>435/91.2;<br>536/23.2 | Smith, Michael<br>D. et al.    |
| US<br>20040206926<br>A1 | US-<br>PGPUB | 20041021 |  | Alignment device for valve bonnet   | 251/326   |  | Smith, Michael<br>C.           |
| US<br>20040202512<br>A1 | US-<br>PGPUB | 20041014 |  | Ground anchor for use with<br>natural ground cover  | 405/259.1 | 52/155   | Smith, Michael<br>C.           |
| US<br>20040194401<br>A1 | US-<br>PGPUB | 20041007 |  | Demountable building  | 52/169.12 | 52/79.9  | Smith, Aaron<br>Michael et al. |
| US<br>20040193980<br>A1 | US-<br>PGPUB | 20040930 |  | Configurator arrangement and<br>approach therefor   | 714/724   | 324/761  | Avery, Daniel<br>Lee et al.    |
| US<br>20040181340<br>A1 | US-<br>PGPUB | 20040916 |  | Rotating map and user-centric<br>weather prediction   | 702/3     |  | Smith, Michael<br>R.           |
| US<br>20040159524<br>A1 | US-<br>PGPUB | 20040819 |  | Cone-clutched assembly  | 192/91A   | 192/66.22  | Carpenter,<br>David E. et al.  |
| US<br>20040136808       | US-<br>PGPUB | 20040715 |  | Fastener for connecting<br>miscellaneous articles   | 411/182   |  | Dickinson,<br>Daniel James et  |

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| A1                      |              |          |  |   |          |         | al.                                      |
| US<br>20040134066<br>A1 | US-<br>PGPUB | 20040715 |  | Methods and apparatus for manufacturing turbine engine components                                     | 29/889.2 |         | Hawtin, Philip<br>Robert et al.          |
| US<br>20040133530<br>A1 | US-<br>PGPUB | 20040708 |  | Normalized and animated inundation maps   | 706/2    |         | Smith, Michael<br>R. et al.              |
| US<br>20040132568<br>A1 | US-<br>PGPUB | 20040708 |  | Belt damper   | 474/91   |         | Gibson, Robert<br>C. et al.              |
| US<br>20040126038<br>A1 | US-<br>PGPUB | 20040701 |  | Method and system for automated annotation and retrieval of remote digital content                    | 382/305  |         | Aublant, Serge<br>et al.                 |
| US<br>20040115027<br>A1 | US-<br>PGPUB | 20040617 |  | Spring fastener for connecting miscellaneous articles   | 411/182  |         | Dickinson,<br>Daniel James et<br>al.     |
| US<br>20040103659<br>A1 | US-<br>PGPUB | 20040603 |  | Electrical means for sensing reverse and neutral and swash plate structures therefore                 | 60/500   |         | Johnson, Kevin<br>L. et al.              |
| US<br>20040102798<br>A1 | US-<br>PGPUB | 20040527 |  | Microkeratome blade assembly  | 606/166  |         | Dame, Randy et<br>al.                    |
| US<br>20040096272<br>A1 | US-<br>PGPUB | 20040520 |  | Vehicles comprising assemblies having fastener with ergonomically balanced removal to insertion ratio | 403/397  |         | Dickinson,<br>Daniel James et<br>al.     |
| US<br>20040093701<br>A1 | US-<br>PGPUB | 20040520 |  | Assemblies comprising fastener with ergonomically balanced removal to insertion ratio                 | 24/294   |         | Dickinson,<br>Daniel James et<br>al.     |
| US<br>20040092138<br>A1 | US-<br>PGPUB | 20040513 |  | Offset stackable pass-through signal connector  | 439/74   |         | Smith, Michael<br>G.                     |
| US<br>20040083797<br>A1 | US-<br>PGPUB | 20040506 |  | Method and assembly for detecting a leak in a plasma system   | 73/40.7  | 356/300 | Ward, Pamela<br>Peardon Denise<br>et al. |
| US<br>20040083582<br>A1 | US-<br>PGPUB | 20040506 |  | Fastener with ergonomic removal to insertion force ration   | 24/295   |         | Dickinson,<br>Daniel James et<br>al.     |
| US<br>20040081534<br>A1 | US-<br>PGPUB | 20040429 |  | Fastener for connecting automotive components and other articles                                      | 411/182  |         | Dickinson,<br>Daniel James et<br>al.     |
| US<br>20040079674<br>A1 | US-<br>PGPUB | 20040429 |  | Equipment tray  | 206/723  |         | Cellini, Richard<br>L. et al.            |
| US<br>20040069749<br>A1 | US-<br>PGPUB | 20040415 |  | Rotating arc fault-current interrupter  | 218/154  |         | Evans, Daniel J.<br>et al.               |
| US<br>20040068431<br>A1 | US-<br>PGPUB | 20040408 |  | Methods and systems for evaluation of business performance  | 705/10   |         | Smith, Michael<br>W. et al.              |

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| US<br>20040062267<br>A1 | US-<br>PGPUB | 20040401 |  | Gigabit Ethernet adapter supporting the iSCSI and IPSEC protocols   | 370/463   |   | Minami, John Shigeto et al. |
| US<br>20040054994<br>A1 | US-<br>PGPUB | 20040318 |  | System and method for persisting dynamically generated code in a directly addressable and executable storage medium | 717/148   |   | Demsey, Seth M. et al.      |
| US<br>20040051209<br>A1 | US-<br>PGPUB | 20040318 |  | Multi-part sequential valve gating  | 264/328.8 |   | Smith, Michael B. et al.    |
| US<br>20040047973<br>A1 | US-<br>PGPUB | 20040311 |  | Method of improving safety and quality of cooking oils  | 426/601   |   | Bourhis, Yves et al.        |
| US<br>20040043145<br>A1 | US-<br>PGPUB | 20040304 |  | Powder coating system and method for quick color change   | 427/180   | 118/308;<br>118/326;<br>427/426;<br>427/427.4 | Browning, James M. et al.   |
| US<br>20040027640<br>A1 | US-<br>PGPUB | 20040212 |  | OPTICAL SWITCH ASSEMBLY   | 359/291   |   | Carberry, John et al.       |
| US<br>20040024848<br>A1 | US-<br>PGPUB | 20040205 |  | Method for preserving referential integrity within web sites  | 709/219   | 709/238                                       | Smith, Michael D. et al.    |
| US<br>20040024544<br>A1 | US-<br>PGPUB | 20040205 |  | Method of reducing energy waste by monitoring steam traps   | 702/33    |   | Guebert, Rodger A. et al.   |
| US<br>20040020887<br>A1 | US-<br>PGPUB | 20040205 |  | Comestible fluid rack and rail apparatus and method   | 211/189   | 211/194                                       | Jersey, Steven T. et al.    |
| US<br>20040020636<br>A1 | US-<br>PGPUB | 20040205 |  | Downhole valve  | 166/66.6  | 166/334.1                                     | Kenison, Michael H. et al.  |
| US<br>20040015470<br>A1 | US-<br>PGPUB | 20040122 |  | Dynamic filtering in a database system  | 707/1     |   | Smith, Michael David et al. |
| US<br>20040012103<br>A1 | US-<br>PGPUB | 20040122 |  | EVAPORATIVE HUMIDIFIER  | 261/72.1  | 261/104;<br>261/107;<br>261/99                | Mulvaney, Patrick T. et al. |
| US<br>20030233804<br>A1 | US-<br>PGPUB | 20031225 |  | Joint reinforcement   | 52/698    |   | Getz, Stephen H. et al.     |
| US<br>20030233334<br>A1 | US-<br>PGPUB | 20031218 |  | Methods and apparatus for facilitating a transaction  | 705/75    |   | Smith, Michael S.           |
| US<br>20030228444<br>A1 | US-<br>PGPUB | 20031211 |  | Converting method for uncreped throughdried sheets and resulting products   | 428/156   | 162/117;<br>162/204;<br>162/205               | Johnston, Angela Ann et al. |
| US<br>20030225659<br>A1 | US-<br>PGPUB | 20031204 |  | Retail lending risk related scenario generation   | 705/36R   |   | Breeden, Joseph L. et al.   |



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| US<br>20030224532<br>A1 | US-<br>PGPUB | 20031204 |  | Apparatus and method for synthesis and transfer of sensitive compounds                              | 436/180    | 422/130;<br>422/99                          | Smith, Michael E. et al.    |
| US<br>20030221914<br>A1 | US-<br>PGPUB | 20031204 |  | Portable lift for rack mounting equipment   | 187/244    | 187/231;<br>187/232;<br>187/235;<br>187/243 | Smith, Paul L. et al.       |
| US<br>20030219391<br>A1 | US-<br>PGPUB | 20031127 |  | Dispersed powders providing ultraviolet light protection, suitable for use in cosmetic compositions | 424/59     |   | Liew, Terry Van et al.      |
| US<br>20030217312<br>A1 | US-<br>PGPUB | 20031120 |  | Audibly enabled error status  | 714/57     |   | Smith, Michael G.           |
| US<br>20030217311<br>A1 | US-<br>PGPUB | 20031120 |  | Debug information provided through tag space  | 714/43     |   | Smith, Michael D.           |
| US<br>20030217219<br>A1 | US-<br>PGPUB | 20031120 |  | Using information provided through tag space  | 710/311    |   | Sharma, Debendra Das et al. |
| US<br>20030211311<br>A1 | US-<br>PGPUB | 20031113 |  | Integrated co-injection molded vehicle components and methods of making the same                    | 428/318.8  | 428/318.6;<br>428/319.3                     | Porter, Marshall Ray et al. |
| US<br>20030206682<br>A1 | US-<br>PGPUB | 20031106 |  | Optical switch actuator   | 385/16     | 310/14                                      | Guynn, Roy et al.           |
| US<br>20030201576<br>A1 | US-<br>PGPUB | 20031030 |  | Injection mold apparatus and method   | 264/328.1  | 425/169;<br>425/595                         | Smith, Michael et al.       |
| US<br>20030198944<br>A1 | US-<br>PGPUB | 20031023 |  | Compositions and methods for reverse transcription of nucleic acid molecules                        | 435/5      | 435/199;<br>435/6;<br>435/91.2              | Gerard, Gary F. et al.      |
| US<br>20030198157<br>A1 | US-<br>PGPUB | 20031023 |  | Method of CD/DVD vibration detection by monitoring motor conditions                                 | 369/53.3   |   | Smith, Michael G.           |
| US<br>20030197676<br>A1 | US-<br>PGPUB | 20031023 |  | Drive activity sampling and notification  | 345/156    |   | Smith, Michael G.           |
| US<br>20030186270<br>A1 | US-<br>PGPUB | 20031002 |  | Compositions and methods for reverse transcription of nucleic acid molecules                        | 435/6      | 435/199;<br>435/91.2                        | Gerard, Gary F. et al.      |
| US<br>20030170546<br>A1 | US-<br>PGPUB | 20030911 |  | Polymer electrolyte composition   | 429/317    | 252/62.2;<br>429/307                        | Boon, Wyndham Henry et al.  |
| US<br>20030145952<br>A1 | US-<br>PGPUB | 20030807 |  | Method and apparatus for producing uniform process rates  | 156/345.48 | 118/723I                                    | Wilcoxson, Mark H. et al.   |
| US<br>20030143314<br>A1 | US-<br>PGPUB | 20030731 |  | Process for manufacturing individually quick-freeze-formed Calamari squid rings                     | 426/643    |   | Smith, Michael G. et al.    |

|                         |              |          |  |   |            |   |                                |
|-------------------------|--------------|----------|--|---|------------|---|--------------------------------|
| US<br>20030138530<br>A1 | US-<br>PGPUB | 20030724 |  | Individually quick-freeze-formed calamari rings   | 426/129    |   | Smith, Michael G. et al.       |
| US<br>20030136663<br>A1 | US-<br>PGPUB | 20030724 |  | Method and apparatus for monitoring plasma processing operations                          | 204/192.13 | 204/192.33;<br>216/60                                       | Smith, Michael Lane JR. et al. |
| US<br>20030129758<br>A1 | US-<br>PGPUB | 20030710 |  | Aromatic esters for marking or tagging organic products                                   | 436/56     |   | Smith, Michael J. et al.       |
| US<br>20030128915<br>A1 | US-<br>PGPUB | 20030710 |  | Fiber optic switch actuator   | 385/23     |   | Smith, Michael L. et al.       |
| US<br>20030126813<br>A1 | US-<br>PGPUB | 20030710 |  | Self-bearing flexible curtain wall system   | 52/235     | 52/223.14;<br>52/223.7                                      | Leytes, Vladimir S. et al.     |
| US<br>20030106995<br>A1 | US-<br>PGPUB | 20030612 |  | Method for measuring absorbed and interstitial fluids                                     | 250/282    |   | Smith, Michael P. et al.       |
| US<br>20030106714<br>A1 | US-<br>PGPUB | 20030612 |  | Use of coiled tubing unit systems in sub sea operations                                   | 175/6      | 114/244;<br>405/158   | Smith, Michael Lee et al.      |
| US<br>20030103801<br>A1 | US-<br>PGPUB | 20030605 |  | Vehicles having parts connected with a sealing spring fastener comprising a closed cavity | 403/194    |   | Smith, Michael Walter et al.   |
| US<br>20030103800<br>A1 | US-<br>PGPUB | 20030605 |  | Assemblies of panels with a sealing spring fastener comprising a closed cavity            | 403/194    |   | Smith, Michael Walter et al.   |
| US<br>20030081993<br>A1 | US-<br>PGPUB | 20030501 |  | Threaded closure  | 403/299    |   | Smith, Michael                 |
| US<br>20030081991<br>A1 | US-<br>PGPUB | 20030501 |  | Threaded closure  | 403/299    |   | Smith, Michael et al.          |
| US<br>20030079125<br>A1 | US-<br>PGPUB | 20030424 |  | System and method for electronic certificate revocation                                   | 713/156    |   | Hope, Brian A. et al.          |
| US<br>20030053884<br>A1 | US-<br>PGPUB | 20030320 |  | Spring fastener for connecting automotive components and other articles                   | 411/182    |   | Dickinson, Daniel James et al. |
| US<br>20030043979<br>A1 | US-<br>PGPUB | 20030306 |  | Method and apparatus for downloading "on-hold" messages for telephone systems             | 379/88.22  | 709/221   | Smith, Michael D.              |
| US<br>20030035551<br>A1 | US-<br>PGPUB | 20030220 |  | Ambient-aware headset   | 381/71.6   | 381/74;<br>381/94.8   | Light, John J. et al.          |
| US<br>20030032086<br>A1 | US-<br>PGPUB | 20030213 |  | COMPOSITIONS AND METHODS FOR REVERSE TRANSCRIPTION OF NUCLEIC ACID MOLECULES              | 435/69.1   | 435/252.3;<br>435/320.1;<br>435/325;<br>435/6;<br>435/68.1; | GERARD, GARY F. et al.         |

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|-------------------------|--------------|----------|--|---|------------|--|-----------------------------------|
|                         |              |          |  |   |            | 435/91.2;<br>530/350;<br>536/23.1;<br>536/23.2   |                                   |
| US<br>20030029720<br>A1 | US-<br>PGPUB | 20030213 |  | Method & apparatus for<br>monitoring plasma processing<br>operations  | 204/298.01 | 204/298.03   | Smith, Michael<br>Lane JR. et al. |
| US<br>20030024810<br>A1 | US-<br>PGPUB | 20030206 |  | Method & apparatus for<br>monitoring plasma processing<br>operations  | 204/298.01 | 204/298.03   | Smith, Michael<br>Lane JR. et al. |
| US<br>20030023233<br>A1 | US-<br>PGPUB | 20030130 |  | Technique for removal of material<br>to achieve a desired shape with a<br>laser                                       | 606/5      |  | Smith, Michael<br>J. et al.       |
| US<br>20030020876<br>A1 | US-<br>PGPUB | 20030130 |  | Height reconstruction from axial<br>distance data using an ellipse arc-<br>step method                                | 351/212    |  | Smith, Michael<br>J. et al.       |
| US<br>20030020349<br>A1 | US-<br>PGPUB | 20030130 |  | Permanent magnet motor<br>assembly having a device and<br>method of reducing parasitic<br>losses                      | 310/156.08 |  | Frash, Martin<br>W. et al.        |
| US<br>20030019840<br>A1 | US-<br>PGPUB | 20030130 |  | Method & apparatus for<br>monitoring plasma processing<br>operations  | 216/60     | 118/712;<br>118/719;<br>156/345.24;<br>156/345.31;<br>216/59;<br>438/14;<br>438/7; 438/9 | Smith, Michael<br>Lane JR. et al. |
| US<br>20030018906<br>A1 | US-<br>PGPUB | 20030123 |  | Method and system for protecting<br>software applications against static<br>and dynamic software piracy<br>techniques | 713/189    |  | Smith, Michael<br>D. et al.       |
| US<br>20030016776<br>A1 | US-<br>PGPUB | 20030123 |  | Reduced pressure drop debris<br>filter bottom nozzle for a fuel<br>assembly of a nuclear reactor                      | 376/352    |  | Smith, Michael<br>G. et al.       |
| US<br>20030013981<br>A1 | US-<br>PGPUB | 20030116 |  | Neurocognitive function EEG<br>measurement method and system  | 600/544    |  | Gevins, Alan et<br>al.            |
| US<br>20030007590<br>A1 | US-<br>PGPUB | 20030109 |  | FASTENED SPACER FOR<br>GRID OF A NUCLEAR<br>REACTOR WITH<br>ASSOCIATED METHOD   | 376/442    |  | Smith, Michael<br>G. et al.       |
| US<br>20030004780<br>A1 | US-<br>PGPUB | 20030102 |  | Method and system for integrating<br>weather information with<br>enterprise planning systems                          | 705/10     | 707/104.1  | Smith, Michael<br>R. et al.       |
| US<br>20030001906<br>A1 | US-<br>PGPUB | 20030102 |  | Moving an object on a drag plane<br>in a virtual three-dimensional<br>space   | 715/849    |  | Light, John J. et<br>al.          |
| US<br>20030000707<br>A1 | US-<br>PGPUB | 20030102 |  | Method and apparatus for<br>downhole fluid pressure signal<br>generation and transmission                             | 166/374    | 166/334.1;<br>166/386  | Flowers, Joseph<br>K. et al.      |

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|-------------------------|--------------|----------|--|--|---------|--|--------------------------------------|
| US<br>20030000602<br>A1 | US-<br>PGPUB | 20030102 |  | INTEGRALLY BLADED<br>ROTOR AIRFOIL<br>FABRICATION AND REPAIR<br>TECHNIQUES         | 148/528 | 29/889.21  | Smith, Michael<br>P. et al.          |
| US<br>20020195176<br>A1 | US-<br>PGPUB | 20021226 |  | Integrally bladed rotor airfoil<br>fabrication and repair techniques               | 148/526 | 148/527;<br>148/671;<br>266/249;<br>29/889.2;<br>29/889.23 | Smith, Michael<br>P. et al.          |
| US<br>20020194710<br>A1 | US-<br>PGPUB | 20021226 |  | Spring fastener with<br>ergonomically balanced removal<br>to insertion force ratio | 24/295  |  | Dickinson,<br>Daniel James et<br>al. |
| US<br>20020194165<br>A1 | US-<br>PGPUB | 20021219 |  | System and method for address<br>book customization for shared<br>emessaging       | 707/3   |  | Smith, Michael                       |
| US<br>20020180073<br>A1 | US-<br>PGPUB | 20021205 |  | Evaporative humidifier   | 261/104 | 261/107  | Mulvaney,<br>Patrick T. et al.       |
| US<br>20020175911<br>A1 | US-<br>PGPUB | 20021128 |  | Selecting a target object in three-<br>dimensional space                           | 345/419 |  | Light, John J. et<br>al.             |
| US<br>20020175869<br>A1 | US-<br>PGPUB | 20021128 |  | METHOD AND APPARATUS<br>FOR PRODUCING UNIFORM<br>PROCESS RATES                     | 343/742 | 343/867  | Wilcoxson,<br>Mark H. et al.         |
| US<br>20020172453<br>A1 | US-<br>PGPUB | 20021121 |  | Network healing smart fiber optic<br>switch  | 385/20  |  | Carberry, John<br>et al.             |
| US<br>20020171685<br>A1 | US-<br>PGPUB | 20021121 |  | Using icons to represent physical<br>keys in navigation aids                       | 715/835 |  | Christianson,<br>Eric P. et al.      |
| US<br>20020171684<br>A1 | US-<br>PGPUB | 20021121 |  | Using icon-based input cues  | 715/835 |  | Christianson,<br>Eric P. et al.      |
| US<br>20020147692<br>A1 | US-<br>PGPUB | 20021010 |  | Money tube and associated<br>dispensing units                                      | 705/73  |  | Smith, Michael<br>J. et al.          |
| US<br>20020147598<br>A1 | US-<br>PGPUB | 20021010 |  | Centralized electronic safe and<br>accounting control system                       | 705/1   | 705/40   | Smith, Michael<br>J. et al.          |
| US<br>20020147210<br>A1 | US-<br>PGPUB | 20021010 |  | Methods for delaying recurrence<br>of herpes virus symptoms                        | 514/293 |  | Smith, Michael<br>H.                 |
| US<br>20020144817<br>A1 | US-<br>PGPUB | 20021010 |  | Anchoring device removal method<br>and apparatus                                   | 166/298 | 166/55   | Doane, James<br>C. et al.            |
| US<br>20020138757<br>A1 | US-<br>PGPUB | 20020926 |  | Method for securely distributing<br>software components on a<br>computer network   | 726/1   |  | Lynn, James T.<br>et al.             |
| US<br>20020130218       | US-<br>PGPUB | 20020919 |  | Wing-drive mechanism and<br>vehicle employing same                                 | 244/72  |  | Smith, Michael<br>J.C.               |

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| A1                      |              |          |  |   |         |                        |                               |
| US<br>20020104201<br>A1 | US-<br>PGPUB | 20020808 |  | Vehicle having parts connected with a sealing spring fastener comprising a hermetically closed cavity | 24/293  | 24/289                 | Smith, Michael Walter et al.  |
| US<br>20020103044<br>A1 | US-<br>PGPUB | 20020801 |  | Golf tee installation tool and the method of operation of the same                                    | 473/386 |                        | Smith, Michael Edward et al.  |
| US<br>20020095238<br>A1 | US-<br>PGPUB | 20020718 |  | Automated pharmaceutical management and dispensing system   | 700/243 | 700/225                | Ahlin, Arnold C. et al.       |
| US<br>20020090618<br>A1 | US-<br>PGPUB | 20020711 |  | Thermostable reverse transcriptases and uses thereof  | 435/6   | 435/199;<br>435/5      | Smith, Michael D. et al.      |
| US<br>20020088823<br>A1 | US-<br>PGPUB | 20020711 |  | Distribution control system for dispensing quality liquids  | 222/52  |                        | Tabacchi, Otavio R. et al.    |
| US<br>20020081581<br>A1 | US-<br>PGPUB | 20020627 |  | COMPOSITIONS AND METHODS FOR REVERSE TRANSCRIPTION OF NUCLEIC ACID MOLECULES                          | 435/6   | 435/91.2               | GERARD, GARY F. et al.        |
| US<br>20020080038<br>A1 | US-<br>PGPUB | 20020627 |  | Method and apparatus for activating warning devices   | 340/601 | 340/540                | Smith, Michael R.             |
| US<br>20020073152<br>A1 | US-<br>PGPUB | 20020613 |  | Shared views for browsing content   | 709/204 | 715/751                | Andrew, Felix G.T.I. et al.   |
| US<br>20020069855<br>A1 | US-<br>PGPUB | 20020613 |  | CONSTRAINT IDLER  | 123/468 |                        | Gibson, Robert C. et al.      |
| US<br>20020069717<br>A1 | US-<br>PGPUB | 20020613 |  | Multi-cam constraint idler  | 74/409  |                        | Knox, Kevin J. et al.         |
| US<br>20020067289<br>A1 | US-<br>PGPUB | 20020606 |  | Vehicle-centric weather prediction system and method  | 340/905 | 340/601                | Smith, Michael                |
| US<br>20020062022<br>A1 | US-<br>PGPUB | 20020523 |  | Processes for preparation of cyclopenta [b] [1,4] diazepino [6,7,1-hi] indoles and derivatives        | 540/556 |                        | Sabb, Annmarie L. et al.      |
| US<br>20020061003<br>A1 | US-<br>PGPUB | 20020523 |  | Method of and system for wireless network access through server platform integration                  | 370/338 | 370/401                | Sumner, Terence Edward et al. |
| US<br>20020060268<br>A1 | US-<br>PGPUB | 20020523 |  | Method and apparatus for improved vibration isolation   | 244/54  | 188/378;<br>267/140.11 | Smith, Michael R. et al.      |
| US<br>20020060005<br>A1 | US-<br>PGPUB | 20020523 |  | Method and apparatus for finishing paperboard to achieve improved smoothness and bulk                 | 162/123 | 162/125                | Mohan, K. Krishna et al.      |
| US<br>20020058689       | US-<br>PGPUB | 20020516 |  | Process for the preparation of 1, 2, 3, 4, 8, 9, 10, 10a-octahydro-7bH-                               | 514/411 | 548/439                | Welmaker, Gregory S. et al.   |

|                         |              |          |  |   |           |                     |                              |
|-------------------------|--------------|----------|--|---|-----------|---------------------|------------------------------|
| A1                      |              |          |  | cyclopenta[b] [1, 4]diazepino[6, 7, 1-hi]indole derivatives                                       |           |                     |                              |
| US<br>20020055517<br>A1 | US-<br>PGPUB | 20020509 |  | Methods for delaying recurrence of herpes virus symptoms  | 514/291   |                     | Smith, Michael H.            |
| US<br>20020054050<br>A1 | US-<br>PGPUB | 20020509 |  | METHOD AND SYSTEM FOR CURSOR APPLIED PROCESSING WITHIN A DATA PROCESSING SYSTEM                   | 715/700   |                     | JOHNSON, WILLIAM J. et al.   |
| US<br>20020049431<br>A1 | US-<br>PGPUB | 20020425 |  | Method of correcting corneal refraction not aligned with the pupil center                         | 606/5     |                     | Smith, Michael J. et al.     |
| US<br>20020046702<br>A1 | US-<br>PGPUB | 20020425 |  | Powder coating system and method for quick color change   | 118/326   | 427/180;<br>427/8   | Browning, James M. et al.    |
| US<br>20020046701<br>A1 | US-<br>PGPUB | 20020425 |  | Color change booth  | 118/326   |                     | Browning, James M. et al.    |
| US<br>20020041738<br>A1 | US-<br>PGPUB | 20020411 |  | Spring clip assembly for fiber optic adapter  | 385/56    | 385/134;<br>385/53  | Carberry, John et al.        |
| US<br>20020040642<br>A1 | US-<br>PGPUB | 20020411 |  | Air filtration device including filter change indicator   | 96/424    | 55/467              | Pillion, Lawrence M. et al.  |
| US<br>20020038469<br>A1 | US-<br>PGPUB | 20020328 |  | DELAYED PROGRESSION TO AIDS BY A MISSENSE ALLELE OF THE CCR2 GENE                                 | 800/278   |                     | DEAN, MICHAEL et al.         |
| US<br>20020017009<br>A1 | US-<br>PGPUB | 20020214 |  | Sealing spring fastener with hermetically closed cavity   | 24/295    |                     | Smith, Michael Walter et al. |
| US<br>20020010375<br>A1 | US-<br>PGPUB | 20020124 |  | Process for the selective deprotonation and functionalization of 3-substituted benzotrifluorides  | 568/626   |                     | Smith, Michael Glenn et al.  |
| US<br>20020008175<br>A1 | US-<br>PGPUB | 20020124 |  | Stiffness de-coupled skid landing gear  | 244/17.17 |                     | Howard, John V. et al.       |
| US<br>20020007795<br>A1 | US-<br>PGPUB | 20020124 |  | Temperature control system for plasma processing apparatus  | 118/723R  | 118/724;<br>219/413 | Bailey, Andrew D. III et al. |
| US<br>20020003911<br>A1 | US-<br>PGPUB | 20020110 |  | Electric motor bearing system and journal   | 384/204   |                     | Smith, Michael D. et al.     |
| US<br>20020001502<br>A1 | US-<br>PGPUB | 20020103 |  | Sealing spring fastener with closed cavity  | 403/194   |                     | Smith, Michael Walter et al. |
| US<br>20010044811<br>A1 | US-<br>PGPUB | 20011122 |  | Method and system for reporting XML data based on precomputed context and a document object model | 715/513   |                     | Ballantyne, Alando M. et al. |

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|-------------------------|--------------|----------|--|--|-----------|--|-----------------------------------|
| US<br>20010037732<br>A1 | US-<br>PGPUB | 20011108 |  | Air filtration device including<br>filter change indicator   | 96/424    | 55/471   | Pillion,<br>Lawrence M. et<br>al. |
| US<br>20010033147<br>A1 | US-<br>PGPUB | 20011025 |  | System specific fluid flow control<br>with induction motor drive   | 318/727   |  | Smith, Michael<br>D. et al.       |
| US<br>20010032520<br>A1 | US-<br>PGPUB | 20011025 |  | Method for environmental<br>sampling   | 73/864.34 | 73/864   | Smith, Michael<br>P.              |
| US<br>20010031960<br>A1 | US-<br>PGPUB | 20011018 |  | Laser fluence compensation of a<br>curved surface  | 606/5     |  | Kliwer,<br>Michael L. et al.      |
| US<br>20010031305<br>A1 | US-<br>PGPUB | 20011018 |  | HOP EXTRACT OF DEFINED<br>COMPOSITION  | 426/600   |  | SMITH,<br>MICHAEL et<br>al.       |
| US<br>20010019088<br>A1 | US-<br>PGPUB | 20010906 |  | Wing-drive mechanism and<br>vehicle employing same   | 244/17.13 |  | Smith, Michael<br>J.C.            |
| US<br>20010002448<br>A1 | US-<br>PGPUB | 20010531 |  | Automated pharmaceutical<br>management and dispensing<br>system  | 700/233   |  | Wilson, John R.<br>et al.         |
| US 7026616<br>B1        | USPAT        | 20060411 |  | Radiation detection device,<br>method and system   | 250/337   |  | Laing; Barrie<br>Anderson et al.  |
| US 7021106<br>B2        | USPAT        | 20060404 |  | Apparatus and method for forming<br>internally ribbed or rifled tubes                                      | 72/283    | 72/68; 72/77   | Jesson; John E.<br>et al.         |
| US 7021010<br>B2        | USPAT        | 20060404 |  | Demountable building   | 52/169.12 | 296/210;<br>296/29;<br>52/143;<br>52/282.4;<br>52/582.1;<br>52/79.9  | Smith; Aaron<br>Michael et al.    |
| US 7003849<br>B2        | USPAT        | 20060228 |  | Self locking hinge   | 16/232    | 16/429;<br>16/436;<br>16/438;<br>403/102   | Cohen; Arnold<br>H. et al.        |
| US 6998174<br>B2        | USPAT        | 20060214 |  | Integrated co-injection molded<br>vehicle components and methods<br>of making the same                     | 428/318.8 | 293/120;<br>293/121;<br>293/122;<br>362/546;<br>362/549;<br>428/319.3;<br>428/319.7;<br>428/68;<br>428/71;<br>428/76 | Porter; Marshall<br>Ray et al.    |
| US 6995067<br>B2        | USPAT        | 20060207 |  | Megasonic cleaning efficiency<br>using auto-tuning of an RF<br>generator at constant maximum<br>efficiency | 438/308   | 134/1;<br>438/14;<br>438/795   | Boyd; John et<br>al.              |
| US 6993745              | USPAT        | 20060131 |  | Method and system for modeling   | 717/109   | 715/501.1;   | Ballantyne;                       |

|                  |       |          |  |   |         |  |                                   |
|------------------|-------|----------|--|---|---------|--|-----------------------------------|
| B1               |       |          |  | a legacy computer system  |         | 715/513;<br>717/107;<br>717/108;<br>717/115;<br>717/121;<br>717/122  | Alando M. et al.                  |
| US 6989259<br>B2 | USPAT | 20060124 |  | Recombinant methods for making reverse transcriptases and mutants thereof                       | 435/194 | 435/254.1;<br>435/320.1;<br>435/325;<br>536/23.2                     | Gerard; Gary F. et al.            |
| US 6977811<br>B1 | USPAT | 20051220 |  | Keyboard with mouse for a hand-held portable computer   | 361/686 | 345/168;<br>361/680;<br>361/683;<br>400/613;<br>400/88;<br>455/550.1 | Fleck; Rod G. et al.              |
| US 6977412<br>B2 | USPAT | 20051220 |  | Trench corner effect bidirectional flash memory cell  | 257/324 |  | Smith; Michael                    |
| US D512764<br>S  | USPAT | 20051213 |  | Showerhead  | D23/229 |  | Kohler, Jr.;<br>Herbert V. et al. |
| US 6971966<br>B2 | USPAT | 20051206 |  | Belt damper   | 474/91  | 474/117;<br>474/72;<br>474/75  | Gibson; Robert C. et al.          |
| US 6966828<br>B2 | USPAT | 20051122 |  | Money tube and associated dispensing units  | 453/18  | 206/.8;<br>453/61;<br>453/63   | Smith; Michael J. et al.          |
| US 6963853<br>B1 | USPAT | 20051108 |  | Method and apparatus for calculating a return on investment for weather-related risk management |         | 700/90;<br>702/3; 705/1;<br>705/35;<br>705/4                         | Smith; Michael                    |
| US 6954993<br>B1 | USPAT | 20051018 |  | Concentric proximity processing head  | 34/407  | 34/92  | Smith; Michael G. R. et al.       |
| US 6949795<br>B2 | USPAT | 20050927 |  | Structure and method of fabricating a transistor having a trench gate                           | 257/330 | 257/332;<br>257/E21.429;<br>257/E21.546                              | Smith; Michael et al.             |
| US 6947842<br>B2 | USPAT | 20050920 |  | Normalized and animated inundation maps   | 702/3   | 702/16;<br>702/2; 702/5  | Smith; Michael R. et al.          |
| US 6947790<br>B2 | USPAT | 20050920 |  | Neurocognitive function EEG measurement method and system                                       | 600/544 | 600/410  | Gevins; Alan et al.               |
| US 6943313<br>B2 | USPAT | 20050913 |  | Rotating arc fault-current interrupter  | 218/29  | 218/154;<br>218/23   | Evans; Daniel J. et al.           |
| US D507766<br>S  | USPAT | 20050726 |  | Automobile body   | D12/91  |  | McMahan;<br>James S et al.        |
| US 6913471<br>B2 | USPAT | 20050705 |  | Offset stackable pass-through signal connector  | 439/74  | 439/541.5;<br>439/75   | Smith; Michael G.                 |
| US 6912337<br>B2 | USPAT | 20050628 |  | Network healing smart fiber optic switch  | 385/20  | 385/16;<br>385/21  | Carberry; John et al.             |
| US 6904193<br>B2 | USPAT | 20050607 |  | Optical switch actuator   | 385/18  | 385/16;<br>385/19;<br>385/23   | Guynn; Roy et al.                 |



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| US 6899499 B2 | USPAT | 20050531 |  | Fastener for connecting miscellaneous articles  | 411/182   | 411/179  | Dickinson; Daniel James et al. |
| US 6898344 B2 | USPAT | 20050524 |  | Fiber optic switch actuator   | 385/23    | 385/18; 385/19   | Smith; Michael L. et al.       |
| US 6878205 B2 | USPAT | 20050412 |  | Powder coating system and method for quick color change                               | 118/326   | 118/309; 427/180; 427/345; 427/475; 454/50   | Browning; James M. et al.      |
| US 6875476 B2 | USPAT | 20050405 |  | Methods and apparatus for manufacturing turbine engine components                     | 427/448   | 427/236; 427/250; 427/282; 427/287; 427/455; 427/456   | Hawtin; Philip Robert et al.   |
| US 6868588 B2 | USPAT | 20050322 |  | Assemblies comprising fastener with ergonomically balanced removal to insertion ratio | 24/295    | 24/289; 24/293; 24/458; 24/517; 411/508  | Dickinson; Daniel James et al. |
| US D501614 S  | USPAT | 20050208 |  | Seat  | D6/381    |  | Smith; Michael et al.          |
| US 6846125 B2 | USPAT | 20050125 |  | Assemblies of panels with a sealing spring fastener comprising a closed cavity        | 403/291   | 24/293; 277/630; 277/640; 277/648; 277/651; 403/297; 403/315; 403/327; 403/329; 403/375; 403/379.6; 403/DIG.14 | Smith; Michael Walter et al.   |
| US 6845324 B2 | USPAT | 20050118 |  | Rotating map and user-centric weather prediction                                      | 702/3     |  | Smith; Michael R.              |
| US 6838034 B2 | USPAT | 20050104 |  | Multi-part sequential valve gating  | 264/297.2 | 264/328.8; 425/130; 425/145; 425/572; 425/573  | Smith; Michael B. et al.       |
| US 6835561 B1 | USPAT | 20041228 |  | Composition of reverse transcriptases and mutants thereof                             | 435/194   | 435/193  | Gerard; Gary F. et al.         |
| US 6834768 B2 | USPAT | 20041228 |  | Comestible fluid rack and rail apparatus and method                                   | 211/189   | 211/175; 211/201; 211/90.02  | Jersey; Steven T. et al.       |
| US 6813651 B1 | USPAT | 20041102 |  | Interface device for ethernet transceiver and 1394 controller                         | 710/20    | 710/33; 710/52   | Smith; Michael A. et al.       |
| US 6802937    | USPAT | 20041012 |  | Embossed uncreped throughdried  | 162/117   | 162/118;   | Johnston;                      |

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| B2            |       |          |  | tissues   |           | 162/205;<br>428/156;<br>428/906   | Angela Ann et al.            |
| US PP15193 P2 | USPAT | 20040928 |  | Miscanthus plant named `Gold Bar`   | PLT/384   |   | Smith; Michael Vern et al.   |
| US 6787740 B2 | USPAT | 20040907 |  | Integrally bladed rotor airfoil fabrication and repair techniques                         | 219/535   | 219/529;<br>29/889.21;<br>29/889.22   | Smith; Michael P. et al.     |
| US 6786670 B2 | USPAT | 20040907 |  | Threaded closure  | 403/323   | 138/89;<br>220/327;<br>292/256.5  | Smith; Michael               |
| US D495401 S  | USPAT | 20040831 |  | Handle  | D23/252   |   | Smith; Michael S.            |
| US 6784172 B2 | USPAT | 20040831 |  | Processes for preparation of cyclopenta[b][1,4]diazepino[6,7,1-hi]indoles and derivatives | 514/219   | 540/555;<br>540/556   | Sabb; Annmarie Louise et al. |
| US 6783097 B1 | USPAT | 20040831 |  | Wing-drive mechanism and vehicle employing same   | 244/72    | 244/11;<br>244/22   | Smith; Michael J. C.         |
| US 6776240 B2 | USPAT | 20040817 |  | Downhole valve  | 166/330   | 137/596.2;<br>137/865;<br>137/870;<br>166/328;<br>166/332.2;<br>166/66.4;<br>166/66.6 | Kenison; Michael H. et al.   |
| US 6763496 B1 | USPAT | 20040713 |  | Method for promoting contextual information to display pages containing hyperlinks        | 715/501.1 | 709/207;<br>709/224;<br>715/513;<br>715/526   | Hennings; Eric et al.        |
| US D492761 S  | USPAT | 20040706 |  | Air cleaner filter  | D23/365   |   | Smith; Michael Ellis et al.  |
| US D492676 S  | USPAT | 20040706 |  | Video display console with dual upright displays  | D14/306   |   | Monson; Robert J. et al.     |
| US D492572 S  | USPAT | 20040706 |  | Window operator   | D8/309    |   | Smith; Michael D. et al.     |
| US D492400 S  | USPAT | 20040629 |  | Air filtration device   | D23/364   |   | Smith; Michael Ellis et al.  |
| US D491649 S  | USPAT | 20040615 |  | Lavatory  | D23/308   |   | Smith; Michael S.            |
| US 6751752 B1 | USPAT | 20040615 |  | Checking events generated by a device   | 714/39    | 716/4; 716/5  | Smith; Michael D.            |
| US D490623 S  | USPAT | 20040601 |  | Seat  | D6/381    |   | Smith; Michael et al.        |
| US 6742957 B2 | USPAT | 20040601 |  | Method and device for threaded closure of pipelines or vessels                            | 403/321   | 138/89;<br>166/75.13;<br>220/284;<br>292/256.5  | Smith; Michael et al.        |
| US 6741007 B2 | USPAT | 20040525 |  | Permanent magnet motor assembly having a device and method of reducing parasitic          | 310/254   | 310/156.01;<br>310/208;<br>310/214;   | Frash; Martin W. et al.      |

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|                  |       |          |  | losses   |           | 310/216;<br>310/40R   |                                      |
| US 6735006<br>B2 | USPAT | 20040511 |  | Optical switch assembly  | 359/212   | 359/213;<br>359/223;<br>385/16;<br>385/17;<br>385/18;<br>385/33                                 | Carberry; John<br>et al.             |
| US 6731213<br>B1 | USPAT | 20040504 |  | Method and apparatus for<br>providing oral health data                             | 340/573.1 | 15/167.1;<br>15/21.1;<br>340/539.1;<br>340/611;<br>340/665;<br>340/669;<br>433/202.1;<br>433/37 | Smith; Michael<br>G.                 |
| US 6726418<br>B2 | USPAT | 20040427 |  | Spring fastener for connecting<br>automotive components and other<br>articles      | 411/182   | 411/179   | Dickinson;<br>Daniel James et<br>al. |
| US 6724306<br>B1 | USPAT | 20040420 |  | Luggage locating system  | 340/568.1 | 340/539.1;<br>340/568.6;<br>340/568.8;<br>340/571;<br>340/573.1;<br>340/825.36;<br>340/825.49   | Parsley, Jr.;<br>Ralph O. et al.     |
| US 6718599<br>B2 | USPAT | 20040413 |  | Spring fastener with<br>ergonomically balanced removal<br>to insertion force ratio | 24/295    | 24/289;<br>24/293;<br>24/458;<br>24/517;<br>411/508   | Dickinson;<br>Daniel James et<br>al. |
| US 6715739<br>B2 | USPAT | 20040406 |  | Evaporative humidifier   | 261/72.1  | 261/107;<br>261/99  | Mulvaney;<br>Patrick T. et al.       |
| US D487939<br>S  | USPAT | 20040330 |  | Light source   | D26/2     |   | Smith; Michael<br>Dean               |
| US D487434<br>S  | USPAT | 20040309 |  | Video display console with<br>upright display                                      | D14/129   | D14/126;<br>D14/305   | Monson; Robert<br>J. et al.          |
| US 6702031<br>B2 | USPAT | 20040309 |  | Anchoring device removal method<br>and apparatus                                   | 166/382   | 166/122;<br>166/123;<br>166/181;<br>166/187;<br>166/298;<br>166/55.7                            | Doane; James<br>C. et al.            |
| US 6695106<br>B2 | USPAT | 20040224 |  | Method and apparatus for<br>improved vibration isolation                           | 188/378   | 267/140.11  | Smith; Michael<br>R. et al.          |
| US 6687873<br>B1 | USPAT | 20040203 |  | Method and system for reporting<br>XML data from a legacy computer<br>system       | 715/500   | 709/246;<br>715/513;<br>715/523;<br>717/136;<br>717/143   | Ballantyne;<br>Alando M. et al.      |

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| US D485892<br>S  | USPAT | 20040127 |  | Bowl for water closet   | D23/309 |   | Smith; Michael S.             |
| US D484582<br>S  | USPAT | 20031230 |  | Cover for water closet tank   | D23/313 |   | Smith; Michael S.             |
| US 6669780<br>B2 | USPAT | 20031230 |  | Color change booth  | 118/326 | 118/308;<br>118/309;<br>427/424;<br>427/8;<br>454/50  | Browning;<br>James M. et al.  |
| US D483440<br>S  | USPAT | 20031209 |  | Handle  | D23/252 |   | Smith; Michael S.             |
| US 6661000<br>B2 | USPAT | 20031209 |  | Method for measuring absorbed and interstitial fluids                                     | 250/282 |   | Smith; Michael P. et al.      |
| US 6658804<br>B2 | USPAT | 20031209 |  | Self-bearing flexible curtain wall system   | 52/235  | 52/1;<br>52/167.1   | Leytes;<br>Vladimir S. et al. |
| US 6648542<br>B2 | USPAT | 20031118 |  | Vehicles having parts connected with a sealing spring fastener comprising a closed cavity | 403/291 | 180/313;<br>24/293;<br>277/630;<br>277/640;<br>277/648;<br>277/651;<br>403/297;<br>403/315;<br>403/327;<br>403/329;<br>403/375;<br>403/379.6;<br>403/DIG.14 | Smith; Michael Walter et al.  |
| US 6648511<br>B2 | USPAT | 20031118 |  | Electric motor bearing system and journal   | 384/209 | 384/210   | Smith; Michael D. et al.      |
| US D481933<br>S  | USPAT | 20031111 |  | Window operator housing   | D8/400  |   | Smith; Michael D. et al.      |
| US 6646559<br>B2 | USPAT | 20031111 |  | Method and apparatus for activating warning devices                                       | 340/601 | 340/286.01;<br>340/286.14;<br>342/26R;<br>702/2; 702/3;<br>73/170.16  | Smith; Michael                |
| US 6645334<br>B1 | USPAT | 20031111 |  | Tire manufacturing using a roll forming apparatus   | 156/124 | 152/532;<br>156/130;<br>156/133;<br>156/199;<br>156/212;<br>156/244.25  | Smith; Michael Wallace et al. |
| US 6633315<br>B1 | USPAT | 20031014 |  | Context-based dynamic user interface elements   | 715/762 | 715/765   | Sobeski; David A. et al.      |
| US D479587<br>S  | USPAT | 20030909 |  | Lavatory  | D23/292 |   | Smith; Michael S.             |
| US 6617829<br>B1 | USPAT | 20030909 |  | Automatic conditioning of battery in battery-powered apparatus                            | 320/134 |   | Smith; Michael G.             |

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| US 6610048 B1 | USPAT | 20030826 |  | Prolate shaped corneal reshaping  | 606/5      |   | Holladay; Jack T. et al.   |
| US 6608880 B2 | USPAT | 20030819 |  | Reduced pressure drop debris filter bottom nozzle for a fuel assembly of a nuclear reactor  | 376/352    | 376/313;<br>376/443   | Smith; Michael G. et al.   |
| US D478374 S  | USPAT | 20030812 |  | Handle  | D23/250    |   | Smith; Michael S.          |
| US 6604733 B2 | USPAT | 20030812 |  | Evaporative humidifier  | 261/72.1   | 261/107;<br>261/99;<br>261/DIG.65   | Mulvaney; Patrick T et al. |
| US 6604582 B2 | USPAT | 20030812 |  | Downhole fluid pressure signal generation and transmission  | 166/332.1  | 137/625.17;<br>166/321  | Flowers; Joseph K. et al.  |
| US 6604019 B2 | USPAT | 20030805 |  | Automated pharmaceutical management and dispensing system   | 700/231    | 221/2; 221/3;<br>700/243  | Ahlin; Arnold C. et al.    |
| US 6603405 B2 | USPAT | 20030805 |  | Vehicle-centric weather prediction system and method  | 340/905    | 340/601;<br>340/602;<br>340/995.1;<br>701/202;<br>701/209;<br>702/3   | Smith; Michael             |
| US 6600030 B2 | USPAT | 20030729 |  | Delayed progression to aids by a missense allele of the CCR2 gene   | 536/23.5   | 424/208.1;<br>435/243;<br>435/252.3;<br>435/320.1;<br>435/325;<br>435/6;<br>435/69.1;<br>435/70.1;<br>435/71.1;<br>435/71.2;<br>530/350;<br>536/23.1;<br>536/24.3;<br>536/24.31;<br>536/24.33 | Dean; Michael et al.       |
| US D477175 S  | USPAT | 20030715 |  | Coffee maker  | D7/309     | D7/310;<br>D7/311   | Smith; Michael E.          |
| US 6594352 B1 | USPAT | 20030715 |  | Method and system for automatically providing a customer billing identifier for a directory assistance extension call to a switch in a public telephone network | 379/114.01 | 379/114.03;<br>379/114.05;<br>379/201.01;<br>379/218.01;<br>379/218.02;<br>379/223  | Smith; Michael R.          |
| US D476325 S  | USPAT | 20030624 |  | Video display console   | D14/306    |   | Monson; Robert J. et al.   |
| US D476065 S  | USPAT | 20030617 |  | Handle  | D23/252    |   | Smith; Michael S.          |
| US D476064 S  | USPAT | 20030617 |  | Escutcheon  | D23/250    |   | Smith; Michael S.          |

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| US 6581009<br>B1 | USPAT | 20030617 |  | Quantitative precipitation prediction method                                       | 702/3     |   | Smith; Michael R.             |
| US 6580047<br>B1 | USPAT | 20030617 |  | Apparatus for destroying syringe-type needles by electrical current                | 219/68    |   | Smith; Michael W.             |
| US 6578078<br>B1 | USPAT | 20030610 |  | Method for preserving referential integrity within web sites                       | 709/224   | 707/10;<br>715/513  | Smith; Michael D. et al.      |
| US 6574233<br>B1 | USPAT | 20030603 |  | Arrangement for redefining an interface while maintaining backwards compatibility  | 370/421   | 370/282;<br>710/305   | Fuller, Jr.; Billy G. et al.  |
| US 6572606<br>B2 | USPAT | 20030603 |  | Laser fluence compensation of a curved surface                                     | 606/5     | 606/10;<br>606/13   | Kliwer; Michael L. et al.     |
| US 6568634<br>B2 | USPAT | 20030527 |  | Wing-drive mechanism and vehicle employing same                                    | 244/72    | 244/22  | Smith; Michael J. C.          |
| US 6567104<br>B1 | USPAT | 20030520 |  | Time-based dynamic user interface elements   | 715/762   | 715/764   | Andrew; Felix G. T. I. et al. |
| US 6565039<br>B2 | USPAT | 20030520 |  | Wing-drive mechanism and vehicle employing same                                    | 244/72    |   | Smith; Michael J. C.          |
| US 6548427<br>B1 | USPAT | 20030415 |  | Sanitary tissue products with improved flushability                                | 442/118   | 162/168.3;<br>162/189;<br>162/191;<br>162/90;<br>428/311.31;<br>428/313.3;<br>428/402.2;<br>442/153;<br>442/154                   | Shannon; Thomas G. et al.     |
| US D472615<br>S  | USPAT | 20030401 |  | Spout  | D23/255   | D23/238;<br>D23/257   | Smith; Michael S.             |
| US 6540229<br>B1 | USPAT | 20030401 |  | Card game apparatus  | 273/274   | 273/280;<br>273/292   | Smith; Linda E. et al.        |
| US 6536110<br>B2 | USPAT | 20030325 |  | Integrally bladed rotor airfoil fabrication and repair techniques                  | 29/889.21 | 148/669;<br>148/671;<br>29/889.2;<br>29/889.22  | Smith; Michael P. et al.      |
| US D471257<br>S  | USPAT | 20030304 |  | Handle   | D23/252   |   | Smith; Michael S.             |
| US 6529032<br>B1 | USPAT | 20030304 |  | Methods and apparatus for full I/O functionality and blocking of backdrive current | 326/14    | 326/21;<br>326/56;<br>710/52  | Cruickshank; Ancil B. et al.  |
| US 6527471<br>B2 | USPAT | 20030304 |  | Sealing spring fastener with closed cavity   | 403/291   | 24/293;<br>277/630;<br>277/640;<br>277/648;<br>277/651;<br>403/297;<br>403/315;<br>403/327;<br>403/329;<br>403/375;<br>403/379.6; | Smith; Michael Walter et al.  |

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|                  |       |          |  |   |            | 403/DIG.14  |                                       |
| US 6524416<br>B1 | USPAT | 20030225 |  | Stress neutralization of an apex filler for a tire bead subassembly   | 156/136    | 156/131;<br>156/398;<br>156/422   | Kubinski;<br>Donald Chester<br>et al. |
| US 6522710<br>B2 | USPAT | 20030218 |  | Fastened spacer for grid of a nuclear reactor with associated method  | 376/442    | 376/438;<br>376/449   | Smith; Michael<br>G. et al.           |
| US 6518705<br>B2 | USPAT | 20030211 |  | Method and apparatus for producing uniform process rates  | 315/111.51 | 315/111.21  | Wilcoxson;<br>Mark H. et al.          |
| US 6518019<br>B2 | USPAT | 20030211 |  | Compositions and methods for reverse transcription of nucleic acid molecules                                | 435/6      | 435/91.1;<br>435/91.2   | Gerard; Gary F.<br>et al.             |
| US 6515969<br>B1 | USPAT | 20030204 |  | Virtual local area network membership registration protocol for multiple spanning tree network environments | 370/256    | 370/401;<br>370/408   | Smith; Michael<br>R.                  |
| US 6514917<br>B1 | USPAT | 20030204 |  | Molecular tags for organic solvent systems  | 508/184    | 44/328;<br>508/390;<br>508/421;<br>508/546;<br>508/557;<br>534/558;<br>534/856;<br>8/521; 8/662 | Smith; Michael<br>J. et al.           |
| US 6511844<br>B1 | USPAT | 20030128 |  | Air purification system and method of using the same  | 435/299.1  | 435/266;<br>435/300.1   | Smith; Michael<br>A.                  |
| US 6508868<br>B2 | USPAT | 20030121 |  | Air filtration device including filter change indicator   | 96/416     | 116/DIG.25;<br>55/471;<br>55/DIG.34;<br>96/417;<br>96/424                                       | Pillion;<br>Lawrence M. et<br>al.     |
| US D468820<br>S  | USPAT | 20030114 |  | Air purifier  | D23/364    | D23/355   | Smith; Michael<br>E. et al.           |
| US D468810<br>S  | USPAT | 20030114 |  | Spout   | D23/257    | D23/255   | Smith; Michael<br>S.                  |
| US 6505936<br>B1 | USPAT | 20030114 |  | Ellipsoidal corneal modeling for estimation and reshaping   | 351/212    |   | Holladay; Jack<br>T. et al.           |
| US 6503516<br>B1 | USPAT | 20030107 |  | Make-up composition containing a blend of waxes   | 424/401    | 424/400;<br>424/59;<br>424/63;<br>424/64;<br>424/DIG.5  | Van Liew;<br>Terry et al.             |
| US 6497790<br>B2 | USPAT | 20021224 |  | Paperboard of improved smoothness and bulk  | 162/206    | 162/135;<br>428/137;<br>428/144;<br>428/409   | Mohan; K.<br>Krishna et al.           |
| US 6497011<br>B2 | USPAT | 20021224 |  | Vehicle having parts connected with a sealing spring fastener comprising a hermetically closed cavity       | 24/295     | 24/289  | Smith; Michael<br>Walter et al.       |

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| US D466987 S  | USPAT | 20021210 |  | Handle  | D23/250  |   | Smith; Michael S.               |
| US 6489974 B1 | USPAT | 20021203 |  | Buoy icon notification of object interface accessibility in multitasking computer environment       | 715/772  | 715/771;<br>715/839;<br>718/100   | Johnson; William J. et al.      |
| US 6482651 B1 | USPAT | 20021119 |  | Aromatic esters for marking or tagging petroleum products   | 436/56   | 436/166;<br>436/60  | Smith; Michael J. et al.        |
| US 6478255 B1 | USPAT | 20021112 |  | Crash energy absorbing glareshield and method of protecting against head injury in aircraft crashes | 244/121  | 280/752   | Brooker; Kevin<br>Ronnie et al. |
| US 6478031 B1 | USPAT | 20021112 |  | Ledger for cigarette making machine cut-off   | 131/84.4 | 131/63;<br>131/65;<br>74/331;<br>74/395;<br>83/310  | Smith; Michael Norman           |
| US 6472843 B2 | USPAT | 20021029 |  | System specific fluid flow control with induction motor drive                                       | 318/727  | 318/432;<br>318/798;<br>318/802;<br>318/807;<br>318/810;<br>318/811;<br>318/812   | Smith; Michael D. et al.        |
| US 6471414 B2 | USPAT | 20021029 |  | Spring clip assembly for fiber optic adapter  | 385/53   | 385/134;<br>385/136;<br>385/137;<br>385/56  | Carberry; John et al.           |
| US 6471355 B1 | USPAT | 20021029 |  | Image control system  | 353/30   | 348/383;<br>348/745;<br>352/47;<br>352/69;<br>352/70;<br>352/71;<br>353/37;<br>353/50;<br>353/69;<br>353/70;<br>353/78;<br>353/99;<br>359/453;<br>359/460 | Monson; Robert James et al.     |
| US 6467971 B1 | USPAT | 20021022 |  | Removable optical adapter and receptor  | 385/58   | 385/70  | Carberry; John et al.           |
| US 6467970 B1 | USPAT | 20021022 |  | Removable optical adapter and receptor  | 385/56   | 385/70  | Carberry; John et al.           |
| US 6462240 B2 | USPAT | 20021008 |  | Process for the selective deprotonation and functionalization of 3-substituted benzotrifluorides    | 568/630  | 568/649;<br>568/655   | Smith; Michael Glenn et al.     |



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| US D463202 S  | USPAT | 20020924 |  | Grilling pan for barbecue   | D7/359    |   | Smith; Michael A.             |
| US D462418 S  | USPAT | 20020903 |  | Spout   | D23/238   |   | Smith; Michael S.             |
| US D462226 S  | USPAT | 20020903 |  | Coffee maker  | D7/309    | D7/310;<br>D7/311   | Williamson; Stephen C. et al. |
| US 6443273 B1 | USPAT | 20020903 |  | Compact vibration cancellation device   | 188/379   | 244/17.11;<br>244/17.27;<br>267/136                       | Ledbetter; Timothy K. et al.  |
| US 6434419 B1 | USPAT | 20020813 |  | Neurocognitive ability EEG measurement method and system                                  | 600/544   |   | Gevens; Alan S. et al.        |
| US 6431530 B1 | USPAT | 20020813 |  | Vertical liquid inertia vibration isolator  | 267/136   | 267/141.3;<br>267/293                                     | Stamps; Frank Bradley et al.  |
| US 6430335 B1 | USPAT | 20020806 |  | Network healing smart fiber optic switch  | 385/20    | 385/16;<br>385/21   | Carberry; John et al.         |
| US 6427984 B1 | USPAT | 20020806 |  | Evaporative humidifier  | 261/70    | 261/107;<br>261/72.1                                      | Mulvaney; Patrick T et al.    |
| US 6427942 B2 | USPAT | 20020806 |  | Stiffness de-coupled skid landing gear  | 244/17.17 | 244/104R;<br>244/108                                      | Howard; John V. et al.        |
| US 6418914 B1 | USPAT | 20020716 |  | Constraint idler  | 123/508   | 123/90.31;<br>239/88;<br>74/409                           | Gibson; Robert C. et al.      |
| US D459458 S  | USPAT | 20020625 |  | Air cleaner   | D23/364   |   | Pillion; Lawrence M. et al.   |
| US D459457 S  | USPAT | 20020625 |  | Air cleaner   | D23/364   |   | Pillion; Lawrence M. et al.   |
| US 6409443 B1 | USPAT | 20020625 |  | Spring fastener with Y-shaped cut as funnel   | 411/55    | 411/183;<br>411/258;<br>411/60.2                          | Lowry; Joseph William et al.  |
| US 6405134 B1 | USPAT | 20020611 |  | Method and apparatus for predicting lightning threats based on radar and temperature data | 702/4     |   | Smith; Michael et al.         |
| US 6400506 B1 | USPAT | 20020604 |  | Visually seamless image system  | 359/460   | 348/841;<br>353/30;<br>353/75                             | Monson; Robert James et al.   |
| US 6399188 B1 | USPAT | 20020604 |  | Sintered porous plastic material  | 428/313.5 | 264/115;<br>264/126;<br>264/142;<br>264/41                | Smith; Michael W. et al.      |
| US 6390480 B1 | USPAT | 20020521 |  | Windshield seal   | 277/630   | 277/637;<br>277/649;<br>277/921;<br>49/495.1;<br>52/716.5 | Smith; Michael Robert         |
| US 6388810 B1 | USPAT | 20020514 |  | Rear-projection mirror arrangement  | 359/443   | 353/51;<br>353/70;<br>353/78;<br>359/449;                 | Monson; Robert James et al.   |

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|               |       |          |  |   |             | 359/460  |                                 |
| US 6386298 B1 | USPAT | 20020514 |  | Apparatus for directional drilling                                    | 175/53      | 175/385;<br>175/406  | Smith; Michael Gerald et al.    |
| US 6381811 B1 | USPAT | 20020507 |  | Sealing spring fastener with hermetically closed cavity               | 24/289      | 24/295   | Smith; Michael Walter et al.    |
| US 6379092 B1 | USPAT | 20020430 |  | High performance sealing fastener                                     | 411/61      | 411/183;<br>411/258;<br>411/542;<br>411/60.2                                     | Patel; Kanubhai Manibhai et al. |
| US D455423 S  | USPAT | 20020409 |  | Video display console   | D14/305     |  | Cellini; Richard L. et al.      |
| US 6367831 B1 | USPAT | 20020409 |  | Manually adjustable transverse dual leaf suspension                   | 280/124.102 | 267/242;<br>280/124.171;<br>280/6.157  | Lim; Stephen et al.             |
| US D455041 S  | USPAT | 20020402 |  | Contact grill   | D7/362      | D7/352   | Smith; Michael E.               |
| US 6364981 B1 | USPAT | 20020402 |  | Forming and application of tire ply                                   | 156/126     | 156/133;<br>156/134;<br>156/218;<br>156/406.2;<br>156/406.4                      | Smith; Michael Wallace et al.   |
| US 6363199 B1 | USPAT | 20020326 |  | Extraction apparatus for a fiber optic connector component            | 385/134     | 385/53;<br>385/62;<br>385/81   | Carberry; John et al.           |
| US 6353906 B1 | USPAT | 20020305 |  | Testing synchronization circuitry using digital simulation            | 714/741     | 714/731;<br>714/744  | Smith; Michael B. et al.        |
| US 6351218 B1 | USPAT | 20020226 |  | Method and apparatus for activating weather warning devices           | 340/601     | 340/286.01;<br>340/286.14;<br>342/26R;<br>702/2; 702/3;<br>715/839;<br>73/170.16 | Smith; Michael                  |
| US 6347012 B1 | USPAT | 20020212 |  | Display system with improved luminosity                               | 359/451     | 359/460;<br>359/743  | Monson; Robert James et al.     |
| US 6338649 B1 | USPAT | 20020115 |  | Battery cable disconnecter  | 439/504     | 411/552;<br>439/369;<br>439/370  | Smith; Michael W.               |
| US 6326806 B1 | USPAT | 20011204 |  | FPGA-based communications access point and system for reconfiguration | 326/38      | 326/47   | Fallside; Hamish T. et al.      |
| US D451175 S  | USPAT | 20011127 |  | Water closet  | D23/301     |  | Smith; Michael S.               |
| US D450978 S  | USPAT | 20011127 |  | Blender   | D7/378      |  | Smith; Michael                  |
| US D450529 S  | USPAT | 20011120 |  | Blender   | D7/378      |  | Smith; Michael                  |
| US 6315821 B1 | USPAT | 20011113 |  | Air filtration device including filter change indicator               | 96/416      | 116/DIG.25;<br>55/471;<br>55/DIG.34;<br>96/417;                                  | Pillion; Lawrence M. et al.     |

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|                  |       |          |  |   | 96/424    |  |
| US D449679<br>S  | USPAT | 20011023 |  | Air cleaner filter  | D23/365   | Smith; Michael<br>et al.   |
| US D449676<br>S  | USPAT | 20011023 |  | Humidifier  | D23/356   | Mulvaney;<br>Patrick T. et al.   |
| US 6302966<br>B1 | USPAT | 20011016 |  | Temperature control system for<br>plasma processing apparatus     | 118/724   | 118/712;<br>118/715;<br>118/719<br>Bailey, III;<br>Andrew D. et al.                                      |
| US D449097<br>S  | USPAT | 20011009 |  | Air cleaner   | D23/364   | Smith; Michael<br>E. et al.  |
| US 6299399<br>B1 | USPAT | 20011009 |  | High pulling force fastener with<br>bowable head                  | 411/61    | 411/173;<br>411/183;<br>411/55<br>Smith; Michael<br>Walter et al.  |
| US 6287424<br>B1 | USPAT | 20010911 |  | Method for finishing paperboard<br>to achieve improved smoothness | 162/206   | 100/38;<br>100/41;<br>162/137;<br>162/205;<br>162/207<br>Mohan; K.<br>Krishna et al.                     |
| US 6268407<br>B1 | USPAT | 20010731 |  | Compositions and articles of<br>manufacture                       | 523/205   | 523/209;<br>523/215;<br>523/216;<br>524/220;<br>524/495;<br>524/496<br>Whitehouse;<br>Robert S. et al.   |
| US 6264222<br>B1 | USPAT | 20010724 |  | Retractable stairway assembly for<br>a vehicle                    | 280/166   | 105/444;<br>105/447;<br>182/127;<br>182/18;<br>182/88<br>Johnston; David<br>J. et al.                    |
| US D444861<br>S  | USPAT | 20010710 |  | Tub for bathing   | D23/277   | Smith; Michael<br>S.   |
| US 6259953<br>B1 | USPAT | 20010710 |  | cardiac lead with active fixation<br>and biocompatible lubricant  | 607/119   | 604/172;<br>606/129<br>Lucchesi;<br>Arthur J. et al.   |
| US 6245575<br>B1 | USPAT | 20010612 |  | Screening of agents for treatment<br>of alzheimer's disease       | 436/86    | 435/105;<br>435/106;<br>436/87;<br>436/89;<br>436/95<br>Goedert; Michel<br>et al.                        |
| US 6244538<br>B1 | USPAT | 20010612 |  | Stiffness de-coupled skid landing<br>gear                         | 244/17.17 | 244/104R;<br>244/108<br>Howard; John<br>V. et al.  |
| US 6241853<br>B1 | USPAT | 20010605 |  | High wet and dry strength paper<br>product                        | 162/141   | 162/164.3;<br>162/164.6;<br>162/175;<br>162/177;<br>162/178;<br>428/340<br>Smith; Michael<br>John et al. |
| US D443048<br>S  | USPAT | 20010529 |  | Lavatory  | D23/284   | Smith; Michael<br>S.   |
| US D441852<br>S  | USPAT | 20010508 |  | Pedestal  | D23/292   | Smith; Michael<br>S.   |

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| US 6219587<br>B1 | USPAT | 20010417 |  | Automated pharmaceutical management and dispensing system  | 700/233  |   | Ahlin; Arnold C. et al.         |
| US 6209931<br>B1 | USPAT | 20010403 |  | Multi-point door locking system  | 292/160  |   | Von Stoutenborough; Eric et al. |
| US 6206324<br>B1 | USPAT | 20010327 |  | Wing-drive mechanism, vehicle employing same, and method for controlling the wing-drive mechanism and vehicle employing same | 244/72   |   | Smith; Michael J. C.            |
| US 6190500<br>B1 | USPAT | 20010220 |  | Multilayer linerboard having improved printing properties and related method of manufacture                                  | 162/134  | 162/123;<br>162/125;<br>162/129;<br>162/135;<br>162/136;<br>162/137;<br>162/147;<br>162/161 | Mohan; K. Krishna et al.        |
| US 6178364<br>B1 | USPAT | 20010123 |  | Method of controlling a retractable stairway assembly  | 701/36   | 105/443;<br>105/447;<br>182/82;<br>182/88;<br>280/163;<br>280/166;<br>414/558               | Delurey; Paul J. et al.         |
| US 6177032<br>B1 | USPAT | 20010123 |  | Polarized ophthalmic lenses and methods for making same  | 264/1.34 | 264/1.32;<br>264/1.7;<br>264/2.7  | Smith; Michael Barry et al.     |
| US 6159100<br>A  | USPAT | 20001212 |  | Virtual reality game   | 463/42   | 434/55;<br>463/25;<br>472/59;<br>472/60   | Smith; Michael D.               |
| US 6158516<br>A  | USPAT | 20001212 |  | Combined drilling apparatus and method   | 166/385  | 166/77.1;<br>175/89   | Smith; Michael L. (Lee) et al.  |
| US 6156157<br>A  | USPAT | 20001205 |  | Method for making soft tissue with improved bulk softness and surface softness   | 162/135  | 162/111;<br>162/112;<br>162/158;<br>162/179;<br>162/184;<br>162/185                         | Schroeder; Wen Zyo et al.       |
| US 6145794<br>A  | USPAT | 20001114 |  | Support platform for mobile display stand  | 248/121  | 211/132.1;<br>211/149;<br>248/459   | Smith; Michael J.               |
| US 6136147<br>A  | USPAT | 20001024 |  | Method for applying debonding materials to a tissue  | 162/135  | 162/112;<br>162/164.4;<br>162/184;<br>162/207;<br>427/255.6;<br>427/377;                    | Edwards; Steven Lawrence et al. |

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|                 |       |          |  |   |            | 427/422;<br>427/424   |                                 |
| US 6135511<br>A | USPAT | 20001024 |  | Window locking system   | 292/156    | 292/139;<br>292/146;<br>292/DIG.20;<br>292/DIG.33   | Smith; Michael<br>D. et al.     |
| US 6133996<br>A | USPAT | 20001017 |  | Laser equipped level device   | 356/138    | 33/273  | Plumb; Keith L.<br>et al.       |
| US 6131079<br>A | USPAT | 20001010 |  | Method and device for automatic<br>simulation verification  | 703/13     | 703/14;<br>703/17;<br>703/20;<br>703/21;<br>714/25;<br>714/33;<br>714/736   | Smith; Michael<br>B.            |
| US 6129751<br>A | USPAT | 20001010 |  | Cardiac lead with active fixation<br>and biocompatible lubricant  | 607/127    | 604/175;<br>607/119;<br>607/120   | Lucchesi;<br>Arthur J. et al.   |
| US 6119875<br>A | USPAT | 20000919 |  | Stand for displaying hanging<br>merchandise   | 211/59.1   | 211/195;<br>248/174   | Smith; Michael<br>J.            |
| US 6118936<br>A | USPAT | 20000912 |  | Signaling network management<br>system for converting network<br>events into standard form and then<br>correlating the standard form<br>events with topology and<br>maintenance information | 709/224    | 370/244;<br>379/14;<br>709/223  | Lauer; Douglas<br>Gerard et al. |
| US 6105749<br>A | USPAT | 20000822 |  | Enhanced matrix tray feeder   | 198/370.03 | 198/468.8   | Block; Elmer E.<br>et al.       |
| US 6098820<br>A | USPAT | 20000808 |  | Tipping-resistant display stand   | 211/132.1  | 211/135;<br>211/73;<br>248/174  | Smith; Michael<br>J.            |
| US 6096425<br>A | USPAT | 20000801 |  | Polarized plastic laminates   | 428/412    | 156/278;<br>156/329;<br>427/163.1;<br>427/164;<br>427/169;<br>427/208.8;<br>427/337;<br>428/423.1;<br>428/424.4;<br>428/425.1;<br>428/507;<br>428/522 | Smith; Michael<br>Barry         |
| US 6092716<br>A | USPAT | 20000725 |  | Collapse-resistant, merchandise<br>display  | 229/117.04 | 229/117;<br>229/164;<br>229/178;<br>229/915   | Smith; Michael<br>J.            |
| US D426999<br>S | USPAT | 20000627 |  | Trophy and medallion display<br>shelf   | D6/574     |   | Smith; Michael<br>D.            |
| US 6062948      | USPAT | 20000516 |  | Apparatus and method for gauging  | 451/9      | 356/625;  | Schiff; Tod F. et               |

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| A               |       |          |  | a workpiece   |            | 451/49;<br>451/6;<br>73/105  | al.                             |
| US 6052693<br>A | USPAT | 20000418 |  | System for assembling large databases through information extracted from text sources | 707/104.1  | 707/102  | Smith; Michael J. et al.        |
| US 6049272<br>A | USPAT | 20000411 |  | Automated data transmission link to law enforcement and security personnel            | 340/539.18 | 340/531;<br>379/37;<br>379/38;<br>379/42   | Lee; Christopher Y. et al.      |
| US 6041348<br>A | USPAT | 20000321 |  | N-port algorithm for disabling a node within a network during reset                   | 709/220    | 709/227;<br>709/238;<br>709/239;<br>709/248;<br>710/40   | Smith; Michael B.               |
| US 6038797<br>A | USPAT | 20000321 |  | Automatically deployable, information-bearing display panel                           | 40/312     | 206/768;<br>40/124.08;<br>40/610   | Smith; Michael J.               |
| US 6035123<br>A | USPAT | 20000307 |  | Determining hardware complexity of software operations                                | 717/155    | 717/153;<br>717/156  | Razdan; Rahul et al.            |
| US 6030558<br>A | USPAT | 20000229 |  | Sintered porous plastic products and method of making same                            | 264/41     | 264/115;<br>264/126;<br>264/142  | Smith; Michael W. et al.        |
| US RE36556<br>E | USPAT | 20000208 |  | Method and apparatus for drilling bore holes under pressure                           | 175/45     | 166/237;<br>166/65.1;<br>175/322;<br>175/61;<br>175/75   | Smith; Michael L. et al.        |
| US 6009983<br>A | USPAT | 20000104 |  | Method and apparatus for improved vibration isolation                                 | 188/298    | 188/322.15   | Stamps; Frank B. et al.         |
| US 6006839<br>A | USPAT | 19991228 |  | Pressurized flexible conduit injection system   | 166/384    | 166/77.2;<br>166/85.5  | Dearing; Michael Patrick et al. |
| US 6002274<br>A | USPAT | 19991214 |  | Oversampled state machine for jitter tolerant pulse detection                         | 327/19     | 327/18;<br>327/407;<br>327/44  | Smith; Michael D. et al.        |
| US 6002056<br>A | USPAT | 19991214 |  | Colorless petroleum markers   | 585/3      | 208/12;<br>208/15;<br>208/16;<br>208/17;<br>208/18;<br>208/19;<br>44/350;<br>44/351;<br>44/352 | Smith; Michael J. et al.        |
| US 5998892<br>A | USPAT | 19991207 |  | Rotary position sensor with insert molded coil winding                                | 310/68B    | 251/129.01;<br>251/129.11  | Smith; Scott D. et al.          |
| US 5993602<br>A | USPAT | 19991130 |  | Method of applying permanent wet strength agents to impart temporary wet strength in  | 162/112    | 162/158;<br>162/164.1;<br>162/164.3;   | Smith; Michael John et al.      |

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|                 |       |          |  | absorbent tissue structures  |            | 162/164.6;<br>162/183;<br>162/190   |                                 |
| US 5984117<br>A | USPAT | 19991116 |  | Display rack with shelf supports<br>formed from back wall  | 211/55     | 211/126.2;<br>211/128.1   | Smith; Michael<br>J.            |
| US 5975203<br>A | USPAT | 19991102 |  | Apparatus and method utilizing a<br>coiled tubing injector for<br>removing or inserting jointed pipe<br>sections | 166/77.3   | 166/77.1;<br>166/77.2;<br>226/172;<br>254/372   | Payne; Bryan K.<br>et al.       |
| US 5947198<br>A | USPAT | 19990907 |  | Downhole tool  | 166/66.4   | 166/377   | McKee; L.<br>Michael et al.     |
| US 5927767<br>A | USPAT | 19990727 |  | Window locking system  | 292/158    | 292/139;<br>292/146;<br>292/DIG.20;<br>292/DIG.33;<br>49/279                                  | Smith; Michael<br>D. et al.     |
| US 5927734<br>A | USPAT | 19990727 |  | Scooter  | 280/87.042 | 280/11.207;<br>280/11.225   | Horton, II;<br>Edward N. et al. |
| US D408645<br>S | USPAT | 19990427 |  | Chaise lounge  | D6/377     | D6/361  | Smith; Michael<br>S             |
| US 5887999<br>A | USPAT | 19990330 |  | Paper loading mechanism  | 400/621    | 400/599;<br>400/613;<br>400/693   | Smith; Michael<br>et al.        |
| US 5882358<br>A | USPAT | 19990316 |  | Colored transmission fluid   | 8/527      | 44/312;<br>552/255;<br>552/258;<br>552/259;<br>8/521; 8/617;<br>8/643; 8/675;<br>8/678; 8/679 | Smith; Michael<br>J. et al.     |
| US D406469<br>S | USPAT | 19990309 |  | Seat   | D6/334     | D6/381  | Smith; Michael<br>S             |
| US 5874963<br>A | USPAT | 19990223 |  | Method and system for cursor<br>applied processing within a data<br>processing system                            | 715/856    | 715/810   | Johnson;<br>William J. et al.   |
| US 5874148<br>A | USPAT | 19990223 |  | Water resistant textile coating and<br>method of using the same  | 428/95     | 427/372.2;<br>442/79;<br>442/84;<br>442/85;<br>442/90;<br>524/413                             | Hough; J. Garry<br>et al.       |
| US D405634<br>S | USPAT | 19990216 |  | Trophy and medallion display<br>shelf  | D6/574     |   | Smith; Michael<br>D.            |
| US D405274<br>S | USPAT | 19990209 |  | Seat   | D6/334     | D6/381  | Smith; Michael<br>S.            |
| US 5870067<br>A | USPAT | 19990209 |  | Contactless data/power bus   | 345/2.1    | 235/383   | Smith; Michael                  |
| US 5869158<br>A | USPAT | 19990209 |  | Safety sampler   | 428/36.92  | 428/36.9;<br>604/239;<br>604/240;   | Smith; Michael<br>W.            |

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|                 |       |          |  |  |           | 604/264;<br>604/272;<br>604/275;<br>604/905;<br>606/167;<br>606/181 |                                     |
| US 5868367<br>A | USPAT | 19990209 |  | Rapid-deployment display stand   | 248/174   | 211/73;<br>248/459  | Smith; Michael J.                   |
| US D404926<br>S | USPAT | 19990202 |  | Seat   | D6/334    | D6/381  | Smith; Michael S.                   |
| US 5865316<br>A | USPAT | 19990202 |  | Multi-food display tower with interconnecting food bin   | 206/775   | 206/503;<br>206/512;<br>206/764;<br>220/4.26                        | Smith; Michael J.                   |
| US 5862131<br>A | USPAT | 19990119 |  | Hybrid time-slot and sub-time-slot operation in a time-division multiplexed system                                   | 370/362   | 370/376;<br>370/518;<br>375/376                                     | Petty; Norman W. et al.             |
| US 5858930<br>A | USPAT | 19990112 |  | Liquid Benz-iso-Quinoline derivatives  | 508/261   | 252/68;<br>508/266;<br>546/100                                      | Desai; Bharat et al.                |
| US 5854041<br>A | USPAT | 19981229 |  | Myoglobin with peroxidase activity   | 435/192   | 530/385   | Brayer; Gary D. et al.              |
| US 5853539<br>A | USPAT | 19981229 |  | Method of applying dry strength resins for making soft, strong, absorbent tissue structures                          | 162/112   | 162/135;<br>162/136;<br>162/175;<br>162/178;<br>162/184;<br>162/189 | Smith; Michael John et al.          |
| US 5851760<br>A | USPAT | 19981222 |  | Method for generation of sequence sampled maps of complex genomes  | 435/6     | 435/91.1  | Evans; Glen A. et al.               |
| US 5844006<br>A | USPAT | 19981201 |  | Process for producing liquid and, optionally, gaseous products from gaseous reactants                                | 518/700   | 502/20;<br>518/709  | Jager; Berend et al.                |
| US 5835667<br>A | USPAT | 19981110 |  | Method and apparatus for creating a searchable digital video library and a system and method of using such a library | 386/96    | 386/106;<br>386/97;<br>704/501                                      | Wactlar; Howard D. et al.           |
| US 5833795<br>A | USPAT | 19981110 |  | Magnetic particle integrated adhesive and associated method of repairing a composite material product                | 156/272.4 | 156/275.7;<br>219/710;<br>219/759                                   | Smith; Michael Roy et al.           |
| US 5828240<br>A | USPAT | 19981027 |  | Differential cross coupled peak detector   | 327/62    | 327/58  | Smith; Michael D.                   |
| US 5826252<br>A | USPAT | 19981020 |  | System for managing multiple projects of similar type using dynamically updated global database                      | 707/1     | 705/1; 705/7;<br>706/45;<br>707/102;<br>707/2;<br>707/201           | Wolters, Jr.; Richard Arthur et al. |
| US 5826043      | USPAT | 19981020 |  | Docking station with serially  | 710/303   |   | Smith; Michael                      |



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| A               |       |          |  | accessed memory that is powered by a portable computer for identifying the docking station |            |   | G. et al.                    |
| US 5825211<br>A | USPAT | 19981020 |  | Oversampled state machine for jitter tolerant pulse detection                              | 327/19     | 327/165;<br>327/18  | Smith; Michael D. et al.     |
| US 5819393<br>A | USPAT | 19981013 |  | Abutting device  | 29/525     | 29/254;<br>81/463   | Bockart; Rene et al.         |
| US 5819064<br>A | USPAT | 19981006 |  | Hardware extraction technique for programmable reduced instruction set computers           | 703/27     | 703/21;<br>703/22;<br>712/200   | Razdan; Rahul et al.         |
| US 5816411<br>A | USPAT | 19981006 |  | Snack package assembly   | 206/782    | 206/218;<br>206/765;<br>206/769   | Smith; Michael J.            |
| US D397996<br>S | USPAT | 19980908 |  | Remote control with charger  | D13/168    | D13/108   | Smith; Michael A.            |
| US 5791956<br>A | USPAT | 19980811 |  | Divers safety device   | 441/6      | 441/89;<br>441/92   | Smith; Michael C.            |
| US 5788029<br>A | USPAT | 19980804 |  | Vibration isolation system   | 188/267    | 188/297;<br>188/322.5;<br>267/140.14  | Smith; Michael Reaugh et al. |
| US 5787235<br>A | USPAT | 19980728 |  | Fuzzy logic-based evidence fusion tool for network analysis                                | 706/47     | 706/52;<br>706/9;<br>706/900  | Smith; Michael D. et al.     |
| US 5785813<br>A | USPAT | 19980728 |  | Method of treating a papermaking furnish for making soft tissue                            | 162/158    | 162/111;<br>162/164.1;<br>162/164.3;<br>162/164.4;<br>162/164.6;<br>162/166;<br>162/168.1;<br>162/168.2;<br>162/168.3;<br>162/169;<br>162/175;<br>162/178;<br>162/183 | Smith; Michael John et al.   |
| US 5778545<br>A | USPAT | 19980714 |  | Magnetically damped azimuth resolver   | 33/345     | 33/300;<br>33/344   | Smith; Michael G. et al.     |
| US D395759<br>S | USPAT | 19980707 |  | Seat   | D6/334     | D6/381  | Smith; Michael S.            |
| US 5775573<br>A | USPAT | 19980707 |  | Compartmentalized display tray with erectable partitions                                   | 229/120.14 | 206/757;<br>229/120.24  | Smith; Michael J.            |
| US 5771114<br>A | USPAT | 19980623 |  | Optical interface with safety shutdown   | 398/38     | 250/227.15;<br>398/15   | Andersson; Anders G. et al.  |
| US 5769498<br>A | USPAT | 19980623 |  | Detachable vehicle seat bolster  | 297/440.1  | 297/452.34  | Smith; Michael L. et al.     |
| US 5762855<br>A | USPAT | 19980609 |  | Method of using a sequential fill valve gated injection molding system                     | 264/328.8  | 264/328.13;<br>425/145;<br>425/564;<br>425/566;   | Bettters; James E. et al.    |

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| US 5759839<br>A | USPAT | 19980602 |  | Cloned SstI/SacI restriction-modification system                                 | 435/199    | 435/193;<br>435/252.3;<br>435/252.33;<br>435/320.1;<br>536/23.2 | Longo; Mary C.<br>et al.                   |
| US 5755011<br>A | USPAT | 19980526 |  | Adjustable hinge   | 16/238     | 16/239;<br>16/241;<br>16/243;<br>16/245                         | Green; Richard<br>L. et al.                |
| US 5752779<br>A | USPAT | 19980519 |  | Automatic journal-loading assembly   | 400/613.1  | 242/332.8;<br>242/532.5;<br>242/586.4                           | Passer; Barry E.<br>et al.                 |
| US 5746569<br>A | USPAT | 19980505 |  | Bag forming machine having adjustable support structure for paired work elements | 414/790.4  | 414/27;<br>493/196;<br>493/926                                  | Smith; Michael<br>J. et al.                |
| US 5746213<br>A | USPAT | 19980505 |  | Adjustable blood pressure cuff and method of using same                          | 600/499    |   | Marks; Lloyd<br>A.                         |
| US D392471<br>S | USPAT | 19980324 |  | Chair  | D6/334     | D6/377  | Smith; Michael<br>S.                       |
| US D391791<br>S | USPAT | 19980310 |  | Vehicles seat bolster  | D6/500     | 297/411.4;<br>297/463.1;<br>D6/356                              | Smith; Michael<br>L.                       |
| US 5727110<br>A | USPAT | 19980310 |  | Electro-optic interface for field instrument                                     | 385/147    | 361/728;<br>385/12;<br>385/53;<br>398/201                       | Smith; Michael<br>J. et al.                |
| US 5724987<br>A | USPAT | 19980310 |  | Neurocognitive adaptive computer-aided training method and system                | 600/544    | 434/258   | Gevens; Alan et<br>al.                     |
| US 5720554<br>A | USPAT | 19980224 |  | Apparatus and method for the calibration of thermal paint                        | 374/1      | 374/15  | Smith; Michael<br>Kelvin Douglas<br>et al. |
| US D390021<br>S | USPAT | 19980203 |  | Chaise lounge  | D6/361     | D6/363;<br>D6/377   | Smith; Michael<br>S.                       |
| US 5713678<br>A | USPAT | 19980203 |  | Low-paper sensing apparatus  | 400/613    | 226/45;<br>242/563;<br>400/249;<br>400/703                      | Smith; Michael<br>John et al.              |
| US 5711438<br>A | USPAT | 19980127 |  | Foldable, wheeled display stand  | 211/149    | 248/174;<br>280/47.24;<br>280/47.34;<br>280/652                 | Smith; Michael<br>J.                       |
| US 5706959<br>A | USPAT | 19980113 |  | Display structure with lock-in trays   | 248/174    | 108/165;<br>211/126.16;<br>211/149                              | Smith; Michael<br>J.                       |
| US 5704596<br>A | USPAT | 19980106 |  | Vibration isolation system   | 267/140.11 | 188/285;<br>188/378;<br>267/140.13;<br>267/219                  | Smith; Michael<br>Reaugh et al.            |

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| US 5704488<br>A | USPAT | 19980106 |  | Concealable pallet for shipping/display container  | 206/598   | 108/51.3;<br>206/386;<br>206/596  | Smith; Michael J.               |
| US 5696956<br>A | USPAT | 19971209 |  | Dynamically programmable reduced instruction set computer with programmable processor loading on program number field and program number register contents   | 712/23    | 700/2;<br>712/200;<br>712/43  | Razdan; Rahul et al.            |
| US 5685197<br>A | USPAT | 19971111 |  | Backlash adjustment mechanism  | 74/409    | 74/397  | Baker; Steven R. et al.         |
| US 5684839<br>A | USPAT | 19971104 |  | Apparatus for adjusting sample points based upon measured intersymbol interference   | 375/348   | 375/355;<br>375/368   | Smith; Michael D. et al.        |
| US 5683053<br>A | USPAT | 19971104 |  | Cine-video film transport apparatus having film supply and take-up reels between which the film is driven at a speed varied in accordance with changes in the outer diameter of the film being unwound from one of the reels | 242/333.1 | 242/333.3;<br>242/333.5;<br>242/334.5;<br>348/96  | Gunday; Erhan H. et al.         |
| US 5682405<br>A | USPAT | 19971028 |  | Ones density monitor   | 375/224   | 708/210;<br>714/809   | Smith; Michael D.               |
| US 5680941<br>A | USPAT | 19971028 |  | Wrap-around externally shelved display stand   | 211/133.4 |   | Smith; Michael J.               |
| US 5676708<br>A | USPAT | 19971014 |  | Non-mutagenic dye  | 8/521     | 44/328;<br>534/649;<br>534/832;<br>8/527; 8/617;<br>8/687; 8/938  | Smith; Michael J.               |
| US 5674999<br>A | USPAT | 19971007 |  | Process for preparing readily dispersible water-soluble cellulosic polymers  | 536/56    | 525/54.3;<br>536/58;<br>536/63;<br>536/64;<br>536/65;<br>536/68;<br>536/69;<br>536/70;<br>536/76;<br>536/80 | Smith; Michael R. et al.        |
| US 5672182<br>A | USPAT | 19970930 |  | Developer system for base reactable petroleum fuel markers   | 44/349    | 44/350;<br>44/351;<br>44/422  | Smith; Michael J.               |
| US 5670359<br>A | USPAT | 19970923 |  | Cloned NsiI restriction-modification system  | 435/199   | 435/193;<br>435/320.1;<br>536/23.2  | Longo; Mary C. et al.           |
| US 5668439<br>A | USPAT | 19970916 |  | High voltage power supply  | 310/339   | 310/319;<br>310/800;<br>399/175   | Snelling; Christopher R. et al. |
| US 5664227      | USPAT | 19970902 |  | System and method for skimming   | 715/516   | 715/500.1   | Mauldin;                        |

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| A               |       |          |  | digital audio/video data   |           |   | Michael L. et al.             |
| US 5664097<br>A | USPAT | 19970902 |  | System for delaying the activation of inactivity security mechanisms by allowing an alternate input of a multimedia data processing system | 726/16    | 713/189   | Johnson;<br>William J. et al. |
| US 5661915<br>A | USPAT | 19970902 |  | Shoe with removable spike plate  | 36/15     | 36/101;<br>36/102   | Smith; Michael<br>R.          |
| US 5657145<br>A | USPAT | 19970812 |  | Modulation and coding for transmission using fluorescent tubes   | 398/172   | 375/238;<br>398/183   | Smith; Michael                |
| US 5651798<br>A | USPAT | 19970729 |  | Workpiece monitoring process using a workpiece carrier having an identification code   | 29/25.01  | 700/227   | Conboy;<br>Michael R. et al.  |
| US 5635873<br>A | USPAT | 19970603 |  | Operational amplifier having dummy isolation stage   | 330/253   | 330/261   | Thrower; Mark<br>L. et al.    |
| US 5631584<br>A | USPAT | 19970520 |  | Differential cross coupled peak detector   | 327/62    | 327/58  | Smith; Michael<br>D.          |
| US 5628523<br>A | USPAT | 19970513 |  | Transportable display stand  | 280/47.26 | 280/47.17;<br>280/47.3;<br>280/645  | Smith; Michael<br>J.          |
| US 5626142<br>A | USPAT | 19970506 |  | Multiple cuff blood pressure system  | 600/499   | 600/492;<br>606/202   | Marks; Lloyd<br>A.            |
| US 5624325<br>A | USPAT | 19970429 |  | Golf ball teeing apparatus   | 473/137   | 473/133   | Smith; Michael                |
| US 5619411<br>A | USPAT | 19970408 |  | Enhanced vertical resolution processing of dual-spaced density tools   | 702/8     |   | Smith; Michael<br>P.          |
| US 5614293<br>A | USPAT | 19970325 |  | Soft treated uncreped throughdried tissue  | 428/195.1 | 162/134;<br>162/135;<br>162/172;<br>162/173;<br>162/179                             | Krzysik; Duane<br>G. et al.   |
| US 5613787<br>A | USPAT | 19970325 |  | Automatic journal loading assembly   | 400/613.1 | 242/332.8   | Passer; Barry E.<br>et al.    |
| US 5613329<br>A | USPAT | 19970325 |  | Ground anchor  | 52/157    | 52/156;<br>52/165;<br>52/705  | Land; Nicholas<br>F. et al.   |
| US 5601871<br>A | USPAT | 19970211 |  | Soft treated uncreped throughdried tissue  | 427/288   | 162/134;<br>162/135;<br>162/172;<br>162/173;<br>162/179;<br>427/374.4;<br>427/398.1 | Krzysik; Duane<br>G. et al.   |
| US 5600776<br>A | USPAT | 19970204 |  | Method and apparatus for automatically organizing user interface objects for multiple users on a single workstation                        | 715/733   | 715/747   | Johnson;<br>William J. et al. |
| US 5599849      | USPAT | 19970204 |  | Process for producing liquid and,  | 518/700   | 518/713   | Jager; Berend et              |

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| A               |       |          |  | optionally, gaseous products from gaseous reactants   |           |  | al.                        |
| US 5594886<br>A | USPAT | 19970114 |  | Pseudo-LRU cache memory replacement method and apparatus utilizing nodes  | 711/136   | 711/118;<br>711/133;<br>711/154;<br>711/159;<br>711/160                            | Smith; Michael B. et al.   |
| US 5590377<br>A | USPAT | 19961231 |  | Automatic control of distributed DMAs in a PCI bus system supporting dual ISA buses   | 710/22    | 710/28;<br>710/303;<br>711/100   | Smith; Michael G.          |
| US 5583874<br>A | USPAT | 19961210 |  | 10Base-T portable link tester   | 714/712   | 370/245  | Smith; Michael E. et al.   |
| US 5582216<br>A | USPAT | 19961210 |  | Apparatus and method for installing wire fencing  | 140/107   | 140/16;<br>242/557   | Smith; Michael T. et al.   |
| US 5569641<br>A | USPAT | 19961029 |  | Synthesis of Bi.sub.1.8 Pb.sub.0.4 Sr.sub.2 Ca.sub.2 Cu.sub.3 O.sub.x superconductor  | 505/433   | 252/519.15;<br>505/121;<br>505/492;<br>505/501;<br>505/782                         | Smith; Michael G.          |
| US 5568383<br>A | USPAT | 19961022 |  | Natural language translation system and document transmission network with translation loss information and restrictions  | 704/2     | 704/270.1  | Johnson; William J. et al. |
| US 5566482<br>A | USPAT | 19961022 |  | Changeable image display device   | 40/450    | 40/492   | Smith; Michael J.          |
| US 5564578<br>A | USPAT | 19961015 |  | Multifaceted display stand  | 211/133.1 | 211/163;<br>248/174  | Smith; Michael J.          |
| US 5564018<br>A | USPAT | 19961008 |  | System for automatically distributing selected mail item to selected user associated with office location within physical office floor plan in data processing system | 709/206   | 358/402  | Flores; David et al.       |
| US 5560775<br>A | USPAT | 19961001 |  | Quartz marking system   | 118/500   | 118/728;<br>118/729;<br>206/459.5  | Conboy; Michael R. et al.  |
| US 5560692<br>A | USPAT | 19961001 |  | Shrouded shipping display container and stand   | 312/114   | 108/100;<br>211/135;<br>229/122.21;<br>248/174;<br>312/258;<br>312/259;<br>312/351 | Smith; Michael J.          |
| US 5558808<br>A | USPAT | 19960924 |  | Colored transmission fluid  | 508/556   | 252/75;<br>252/77  | Smith; Michael J. et al.   |
| US 5558745<br>A | USPAT | 19960924 |  | Treatment of absorbent sanitary paper products  | 162/60    | 134/26;<br>162/4; 162/5  | Conway; Marlene E. et al.  |
| US 5557864<br>A | USPAT | 19960924 |  | Footwear fastening system and method of using the same  | 36/50.1   | 24/306;<br>36/50.5   | Marks; Lloyd A.            |

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| US 5555975<br>A | USPAT | 19960917 |  | Shipping container convertible into display stand                    | 206/762    | 206/45.24;<br>206/805;<br>248/174   | Smith; Michael J.           |
| US 5552020<br>A | USPAT | 19960903 |  | Tissue products containing softeners and silicone glycol             | 162/164.4  | 162/158;<br>162/179   | Smith; Michael J. et al.    |
| US 5547073<br>A | USPAT | 19960820 |  | Display stand erectable from shipping container                      | 206/45.24  | 206/736;<br>248/174   | Smith; Michael J.           |
| US 5544525<br>A | USPAT | 19960813 |  | Atmospheric remote sensing instrument system                         | 73/170.13  | 73/170.16   | Peterman; K. Russell et al. |
| US 5540112<br>A | USPAT | 19960730 |  | Backlash adjustment mechanism  | 74/409     | 74/397  | Baker; Steven R. et al.     |
| US 5534428<br>A | USPAT | 19960709 |  | Cloned SstI/SacI restriction-modification system                     | 435/199    | 435/193;<br>435/252.33;<br>536/23.2   | Longo; Mary C. et al.       |
| US 5534093<br>A | USPAT | 19960709 |  | Method for tire tread application                                    | 156/128.6  | 156/130;<br>156/405.1;<br>156/406.6;<br>226/196.1;<br>242/615.2;<br>242/615.3     | Marks; Patrick D. et al.    |
| US 5525897<br>A | USPAT | 19960611 |  | Transistor circuit for use in a voltage to current converter circuit | 323/315    | 323/316   | Smith; Michael D.           |
| US 5519309<br>A | USPAT | 19960521 |  | Voltage to current converter with extended dynamic range             | 323/316    | 323/313;<br>327/103   | Smith; Michael D.           |
| US 5517387<br>A | USPAT | 19960514 |  | Selectively engageable interface for circuit cards                   | 361/686    | 361/684;<br>361/737;<br>439/259;<br>439/675                                       | Smith; Michael G.           |
| US 5509304<br>A | USPAT | 19960423 |  | Phased array acoustic antenna system                                 | 73/170.13  | 367/90;<br>73/861.25  | Peterman; K. Russell et al. |
| US 5498808<br>A | USPAT | 19960312 |  | Fluorescent petroleum markers  | 585/3      | 208/15;<br>208/17;<br>44/403;<br>585/4; 585/5                                     | Smith; Michael J.           |
| US 5485759<br>A | USPAT | 19960123 |  | Boat test apparatus  | 73/865.9   | 33/522  | Goff; Gerald L. et al.      |
| US 5474245<br>A | USPAT | 19951212 |  | Cine-video film transport apparatus                                  | 242/334.6  | 242/333.4;<br>242/412.2;<br>242/413.3;<br>242/413.5;<br>242/420.6;<br>348/96      | Gunday; Erhan H. et al.     |
| US 5470740<br>A | USPAT | 19951128 |  | Cloned NsiI restriction-modification system                          | 435/252.33 | 435/252.3;<br>435/252.31;<br>435/252.34;<br>435/252.35;<br>435/320.1;<br>536/23.2 | Longo; Mary C. et al.       |
| US 5465851<br>A | USPAT | 19951114 |  | Suspension-type display stand  | 211/59.1   | 108/162;<br>211/149;  | Smith; Michael J.           |

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|                 |       |          |  |  |            | 248/174   |                            |
| US D363201<br>S | USPAT | 19951017 |  | Joining jig  | D8/71      |   | Hill; John K. et al.       |
| US 5457714<br>A | USPAT | 19951010 |  | Software controlled adaptive delta modulator   | 375/247    | 341/143;<br>375/248;<br>375/254   | Engel; Melvyn et al.       |
| US 5452011<br>A | USPAT | 19950919 |  | Method and device for film-mode detection and field elimination  | 348/526    | 348/102;<br>348/449;<br>348/459;<br>348/97  | Martin; Alix et al.        |
| US 5451015<br>A | USPAT | 19950919 |  | Crashworthy composite aircraft structure with integral fuel tank                                       | 244/135R   | 244/119   | Cronkhite; James D. et al. |
| US 5439082<br>A | USPAT | 19950808 |  | Hydraulic inertial vibration isolator  | 188/379    | 188/267;<br>188/275;<br>267/140.14  | McKeown; William L. et al. |
| US 5435531<br>A | USPAT | 19950725 |  | Vibration isolation system   | 267/140.11 | 188/378;<br>188/379;<br>267/136;<br>267/140.13;<br>267/140.14;<br>267/219                     | Smith; Michael R. et al.   |
| US 5435400<br>A | USPAT | 19950725 |  | Lateral well drilling  | 175/61     | 166/117.6;<br>166/384;<br>166/50;<br>175/80   | Smith; Michael B.          |
| US 5434910<br>A | USPAT | 19950718 |  | Method and system for providing multimedia substitution in messaging systems                           | 379/88.15  | 379/68;<br>379/93.01  | Johnson; William J. et al. |
| US 5432100<br>A | USPAT | 19950711 |  | Diagnostic system employing a unitary substrate to immobilize microspheres                             | 436/533    | 435/7.92;<br>435/7.94;<br>436/518;<br>436/531;<br>436/534;<br>436/805;<br>436/807;<br>436/810 | Smith; Michael W. et al.   |
| US 5425214<br>A | USPAT | 19950620 |  | Modular floor assembly   | 52/762     | 52/126.1;<br>52/126.6;<br>52/126.7;<br>52/263;<br>52/578; 52/7;<br>52/780                     | Truelove; Andrew R. et al. |
| US 5416024<br>A | USPAT | 19950516 |  | Obtaining collective fluid inclusion volatiles for inclusion composition mapping of earth's subsurface | 436/32     | 250/281;<br>250/282;<br>250/307;<br>422/64;<br>422/83;<br>436/173;<br>436/25;<br>436/29;      | Smith; Michael P.          |

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| US 5411262<br>A | USPAT | 19950502 |  | Puzzles and toys (II)   | 273/157R  | 273/156;<br>446/115;<br>446/118;<br>446/129;<br>446/92                      | Smith; Michael<br>R.           |
| US 5403342<br>A | USPAT | 19950404 |  | Articulating endoscopic surgical<br>apparatus   | 606/205   | 600/104;<br>600/564;<br>606/206   | Tovey; H.<br>Jonathan et al.   |
| US 5402358<br>A | USPAT | 19950328 |  | Method and structure for the<br>automated design of analog<br>integrated circuits                                   | 716/9     | 716/5   | Smith; Michael<br>J. S. et al. |
| US 5391840<br>A | USPAT | 19950221 |  | Insulated duct  | 174/68.3  | 138/149;<br>138/155;<br>138/158;<br>138/167;<br>174/101;<br>174/99R         | Hughes; John T.<br>et al.      |
| US 5389187<br>A | USPAT | 19950214 |  | Apparatus for tire tread<br>application   | 156/405.1 | 156/130   | Marks; Patrick<br>D. et al.    |
| US 5381034<br>A | USPAT | 19950110 |  | SCSI terminator   | 257/529   | 257/528;<br>257/530;<br>257/536;<br>257/538;<br>257/E23.149                 | Thrower; Mark<br>L. et al.     |
| US 5377105<br>A | USPAT | 19941227 |  | Enhanced vertical resolution<br>processing of dual-spaced neutron<br>and density tools                              | 702/8     | 702/12;<br>73/152.59;<br>73/38  | Smith; Michael<br>P.           |
| US 5367841<br>A | USPAT | 19941129 |  | Containing structure for abrasive<br>blast head rigging and tank side<br>cleaning apparatus                         | 451/89    | 451/87;<br>451/92   | Smith; Michael<br>D. et al.    |
| US 5364595<br>A | USPAT | 19941115 |  | Pipette device constructed to<br>prevent contamination by aerosols<br>or overpipetting                              | 422/100   | 422/101;<br>422/931;<br>73/863.23;<br>73/864.11;<br>73/864.13;<br>73/864.18 | Smith; Michael<br>W.           |
| US 5358191<br>A | USPAT | 19941025 |  | Storage and splicing of strip<br>material   | 242/556   |   | Lundell; Dennis<br>A. et al.   |
| US 5334526<br>A | USPAT | 19940802 |  | Cloning and expression of AluI<br>restriction endonuclease  | 435/199   | 435/193;<br>435/252.33;<br>435/320.1  | Smith; Michael<br>D. et al.    |
| US 5328849<br>A | USPAT | 19940712 |  | Inclusion composition mapping of<br>earth's subsurface using collective<br>fluid inclusion volatile<br>compositions | 436/32    | 250/256;<br>250/282;<br>250/307;<br>422/64;<br>436/25;                      | Smith; Michael<br>P.           |



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| US 5327994<br>A | USPAT | 19940712 |  | Tree seat  | 182/187    | 182/223;<br>182/92  | Smith; Michael<br>P.           |
| US 5322362<br>A | USPAT | 19940621 |  | Bag expanding filler   | 383/127    | 383/33  | Smith; Michael<br>J.           |
| US 5316352<br>A | USPAT | 19940531 |  | Pipe coupling  | 285/370    | 285/371;<br>285/397;<br>405/184   | Smith; Michael<br>S.           |
| US 5315936<br>A | USPAT | 19940531 |  | Erectable display stand  | 108/165    | 211/149;<br>312/259   | Smith; Michael<br>J.           |
| US 5312746<br>A | USPAT | 19940517 |  | Cloning and expressing restriction<br>endonucleases and modification<br>methylases from caryophanon                            | 435/193    | 435/199;<br>435/252.33;<br>435/320.1  | Longo; Mary C.<br>et al.       |
| US 5305308<br>A | USPAT | 19940419 |  | Wireless access telephone-to-<br>telephone network interface<br>architecture   | 370/335    | 370/331;<br>370/349;<br>370/355;<br>455/445;<br>455/450   | English;<br>Michael J. et al.  |
| US 5291025<br>A | USPAT | 19940301 |  | In-line non-contact wafer boat<br>inspection apparatus   | 250/559.36 | 250/237G  | Smith; Michael<br>D.           |
| US 5288408<br>A | USPAT | 19940222 |  | Method of gelatin recovery and<br>purification from encapsulation<br>processes   | 210/634    | 203/11;<br>210/181;<br>210/231;<br>210/257.1;<br>210/319;<br>210/774;<br>516/197;<br>530/355  | Schmidt;<br>William J. et al.  |
| US 5286651<br>A | USPAT | 19940215 |  | Determining collective fluid<br>inclusion volatiles compositions<br>for inclusion composition<br>mapping of earth's subsurface | 436/32     | 250/256;<br>250/281;<br>250/282;<br>250/307;<br>422/64;<br>422/83;<br>436/173;<br>436/25;<br>436/29;<br>436/31;<br>436/43;<br>73/863.21 | Smith; Michael<br>P.           |
| US 5274825<br>A | USPAT | 19931228 |  | Microprocessor vectored<br>interrupts  | 710/268    |   | Lemay; Richard<br>A. et al.    |
| US 5272937<br>A | USPAT | 19931228 |  | Active inertia torque absorbing<br>system  | 74/574.3   | 123/90.31   | Brosowske;<br>Thomas A. et al. |
| US 5272892<br>A | USPAT | 19931228 |  | Control system for washing<br>machine  | 68/12.02   | 68/12.22  | Janutka;<br>William J. et al.  |
| US 5266887      | USPAT | 19931130 |  | Bidirectional voltage to current   | 323/316    | 327/100;  | Smith; Michael                 |

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| A               |       |          |  | converter   |           | 330/253;<br>330/255  | D.                            |
| US 5262730<br>A | USPAT | 19931116 |  | Apparatus and method for determining the permittivity of samples of material over a wide frequency band | 324/650   | 324/651;<br>324/673;<br>324/681  | Smith; Michael J. A. et al.   |
| US 5262585<br>A | USPAT | 19931116 |  | Electronic cymbal system  | 84/645    | 84/723;<br>84/738;<br>84/DIG.12;<br>84/DIG.24  | Greene; Lenny et al.          |
| US 5261956<br>A | USPAT | 19931116 |  | Method for improving the rheology of calcined kaolin clay products                                      | 106/416   | 106/484;<br>241/23;<br>241/24.1;<br>241/29;<br>501/141;<br>501/150   | Dunaway; Weyman H. et al.     |
| US 5259956<br>A | USPAT | 19931109 |  | Tube liquid dispenser   | 210/454   | 210/453;<br>222/189.06;<br>222/206;<br>222/420;<br>422/100;<br>422/101;<br>422/102;<br>422/930;<br>422/935;<br>422/944 | Mercer; Howard A. et al.      |
| US 5257612<br>A | USPAT | 19931102 |  | In-line cylinder head for an internal combustion engine   | 123/661   | 123/193.5;<br>123/667  | Smith, Jr.; Richard W. et al. |
| US 5256152<br>A | USPAT | 19931026 |  | Safety needle and method of using same  | 604/198   | 128/919;<br>604/192;<br>604/263  | Marks; Lloyd A.               |
| US 5243991<br>A | USPAT | 19930914 |  | Adjustable blood pressure cuff and method of measuring blood pressure                                   | 600/499   | 128/DIG.15;<br>600/493   | Marks; Lloyd A.               |
| US 5241859<br>A | USPAT | 19930907 |  | Finding and evaluating rock specimens having classes of fluid inclusions for oil and gas exploration    | 73/152.18 | 250/301;<br>356/128;<br>73/53.01   | Smith; Michael P.             |
| US 5241777<br>A | USPAT | 19930907 |  | Wind powered mole control device  | 43/124    | 116/22A;<br>43/1;<br>446/217   | Looker; Olin L. et al.        |
| US 5237310<br>A | USPAT | 19930817 |  | Pump monitor  | 340/679   | 340/605;<br>340/608;<br>417/63   | Smith; Michael                |
| US 5233639<br>A | USPAT | 19930803 |  | Stereoscopic fluoroscopy apparatus and method of producing stereoscopic X-ray images                    | 378/42    | 378/41;<br>378/98.2  | Marks; Lloyd A.               |
| US 5232896      | USPAT | 19930803 |  | Herbicidal 2-(phenoxy or  | 504/212   | 544/194;   | Smith; Michael                |

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| A               |       |          |  | phenylthio)-2-(,3,5-triazinyloxy) alkanolic acids  |         | 544/208;<br>544/209;<br>544/211;<br>544/212;<br>544/213;<br>544/217;<br>544/218;<br>544/219 | G. et al.                  |
| US 5224658<br>A | USPAT | 19930706 |  | Method and apparatus for releasing fluid inclusion volatiles from rock samples           | 241/27  | 241/270;<br>241/94;<br>73/863.21  | Smith; Michael P.          |
| US 5223872<br>A | USPAT | 19930629 |  | Surveillance device with eyeball assembly and pivotably mountable carriage assembly      | 396/427 | 348/143   | Stiepel; Norbert M. et al. |
| US 5215151<br>A | USPAT | 19930601 |  | Method and apparatus for drilling bore holes under pressure                              | 175/45  | 166/237;<br>166/65.1;<br>175/322;<br>175/61;<br>175/75                                      | Smith; Michael L. et al.   |
| US 5213700<br>A | USPAT | 19930525 |  | Method of lubricating a textile machine  | 508/580 |   | Smith; Michael P.          |
| US 5200751<br>A | USPAT | 19930406 |  | Digital to analog converter using a programmable logic array                             | 341/147 | 341/154   | Smith; Michael D.          |
| US 5195090<br>A | USPAT | 19930316 |  | Wireless access telephone-to-telephone network interface architecture                    | 370/314 | 370/337;<br>455/422.1;<br>455/436;<br>455/560   | Bolliger; Brian D. et al.  |
| US 5194761<br>A | USPAT | 19930316 |  | Waveshaping subsystem using converter and delay lines                                    | 327/306 | 327/100;<br>327/173;<br>327/31;<br>327/50   | Smith; Michael D.          |
| US 5168901<br>A | USPAT | 19921208 |  | Fluid communication manifold and control system  | 137/884 | 251/289   | Marks; Lloyd A.            |
| US 5165319<br>A | USPAT | 19921124 |  | Cutting knife with multiple insert blades  | 83/840  | 83/665;<br>83/675;<br>83/844;<br>83/853;<br>83/854  | Snyder; Dennis L. et al.   |
| US 5161960<br>A | USPAT | 19921110 |  | Turbocharger with liquid cooled housing  | 417/407 | 184/6.11  | Smith; Michael M.          |
| US 5158597<br>A | USPAT | 19921027 |  | Herbicide 12-substituted 12H-dibenzo[d,g]dioxin-6-carboxylic acids                       | 504/291 | 549/336;<br>549/339;<br>549/340;<br>549/349   | Smith; Michael G. et al.   |
| US 5156335<br>A | USPAT | 19921020 |  | Filtered drinking straw  | 239/33  | 210/266;<br>210/282   | Smith; Michael L. et al.   |
| US 5151113<br>A | USPAT | 19920929 |  | Herbicide 2-(phenoxy or phenylthio)-2-(pyrimidinyl or 1,3,5-triazinyloxy)-alkanoic acids | 504/242 | 504/168;<br>504/178;<br>504/225;<br>504/227;  | Smith; Michael G. et al.   |

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|                 |       |          |  |  |            | 504/230;<br>504/231;<br>504/234;<br>504/243;<br>514/256;<br>544/299;<br>544/315;<br>544/318;<br>544/334 |                                  |
| US 5149965<br>A | USPAT | 19920922 |  | Precision radiography scaling device                                       | 250/252.1  | 378/163;<br>378/207   | Marks; Lloyd A.                  |
| US 5138990<br>A | USPAT | 19920818 |  | In-line cylinder head for internal combustion engine                       | 123/193.5  | 123/188.12;<br>123/306;<br>123/661  | Smith, Jr.;<br>Richard W. et al. |
| US 5138210<br>A | USPAT | 19920811 |  | Rotatable rectifier assembly   | 310/68D    | 257/E25.025   | Crickmore;<br>Terence L. et al.  |
| US 5137328<br>A | USPAT | 19920811 |  | Push-button controlled latching device for reclining chairs                | 297/85     | 297/68  | Smith; Michael R. et al.         |
| US 5124549<br>A | USPAT | 19920623 |  | Automatic headlamp dimmer with optical baffle                              | 250/237R   | 250/239   | Michaels; Paul A. et al.         |
| US 5122115<br>A | USPAT | 19920616 |  | Multilumen angiography catheter  | 600/435    | 604/919   | Marks; Lloyd A.                  |
| US 5108420<br>A | USPAT | 19920428 |  | Aperture occlusion device  | 606/213    | 606/151;<br>606/157;<br>606/78  | Marks; Lloyd A.                  |
| US 5104059<br>A | USPAT | 19920414 |  | Long endurance high altitude balloon                                       | 244/31     | 244/126   | Rand; James L. et al.            |
| US 5076224<br>A | USPAT | 19911231 |  | In-line cylinder head for internal combustion engine                       | 123/188.14 | 123/193.5;<br>123/306   | Smith, Jr.;<br>Richard W. et al. |
| US 5073344<br>A | USPAT | 19911217 |  | Diagnostic system employing a unitary substrate to immobilize microspheres | 422/69     | 210/500.27;<br>210/632;<br>210/639;<br>422/101;<br>436/535;<br>436/541                                  | Smith; Michael W. et al.         |
| US 5071465<br>A | USPAT | 19911210 |  | Herbicidal 12-substituted 12H-dibenzo[d,g][1,3]dioxocin-6-carboxylic acids | 504/291    | 549/349   | Smith; Michael G. et al.         |
| US 5069238<br>A | USPAT | 19911203 |  | Pivotable joint and joint locking mechanism for a foldable frame           | 135/153    | 403/157;<br>403/92  | Marks; Lloyd A.                  |
| US 5050498<br>A | USPAT | 19910924 |  | Stencil manufacturing and printing process and apparatus                   | 101/127.1  | 101/128.4;<br>101/129   | Smith; Michael S.                |
| US 5048543<br>A | USPAT | 19910917 |  | Continuous rod-making machines   | 131/84.4   | 131/84.1  | Smith; Michael N.                |
| US 5046786<br>A | USPAT | 19910910 |  | Combination brake valve module   | 303/7      | 188/151A;<br>303/13;<br>303/28;<br>303/40;<br>303/69;   | Johnston;<br>Jeffery S. et al.   |

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|                 |       |          |  |  |           | 303/9.66;<br>303/DIG.3   |                             |
| US 5021730<br>A | USPAT | 19910604 |  | Voltage to current converter with extended dynamic range   | 323/316   | 327/100;<br>363/63   | Smith; Michael D.           |
| US 5014781<br>A | USPAT | 19910514 |  | Tubing collar position sensing apparatus, and associated methods, for use with a snubbing unit             | 166/66.5  | 166/384;<br>166/385;<br>166/66   | Smith; Michael L.           |
| US 5013932<br>A | USPAT | 19910507 |  | Waveshaping subsystem using converter and delay lines  | 327/100   | 327/13;<br>327/306   | Smith; Michael D.           |
| US 4999448<br>A | USPAT | 19910312 |  | Method of preparing bis-phenol ethers  | 558/411   | 558/423;<br>558/425;<br>568/640;<br>568/641                                | Smith; Michael G. et al.    |
| US 4997415<br>A | USPAT | 19910305 |  | Continuous rod-making machine  | 493/45    | 131/65;<br>384/473;<br>384/474;<br>83/258;<br>83/259;<br>83/310;<br>83/356 | Smith; Michael N.           |
| US 4994144<br>A | USPAT | 19910219 |  | Method for increasing the bulk of creped tissue  | 162/111   | 162/197;<br>162/207  | Smith; Michael J. et al.    |
| US 4992674<br>A | USPAT | 19910212 |  | Controlled slew peak detector  | 327/59    | 327/73   | Smith; Michael D.           |
| US D314401<br>S | USPAT | 19910205 |  | Robot newspaper vending machine  | D20/3     | D20/6;<br>D21/578  | Lehman; Edward et al.       |
| US 4990774<br>A | USPAT | 19910205 |  | Technique for obtaining high vertical resolution formation capture cross sections from pulsed neutron logs | 250/269.5 | 250/266  | Smith, Jr.; Harry D. et al. |
| US 4985018<br>A | USPAT | 19910115 |  | Catheter grip  | 604/161   | 604/177  | Smith; Michael F.           |
| US 4984294<br>A | USPAT | 19910108 |  | Radio communications device incorporating channel guard decode and priority channel scanning               | 455/166.2 | 455/212;<br>455/228  | Smith; Michael W. et al.    |
| US 4979978<br>A | USPAT | 19901225 |  | Herbicide 12H-dibenzo[d,g][1,3]dioxocin-6-carboxylic acids   | 504/291   | 504/166;<br>504/176;<br>549/346;<br>549/349                                | Renga; James M. et al.      |
| US 4976392<br>A | USPAT | 19901211 |  | Ultrasonic wire bonder wire formation and cutter system  | 228/102   | 228/1.1;<br>228/111;<br>228/13;<br>228/8                                   | Smith; Michael C. et al.    |
| US 4965794<br>A | USPAT | 19901023 |  | Telecommunications FIFO  | 370/506   | 375/371  | Smith; Michael D.           |
| US 4965209<br>A | USPAT | 19901023 |  | Isotope analysis of closely adjacent minerals  | 436/32    | 422/78;<br>422/80  | Smith; Michael P.           |
| US 4964462      | USPAT | 19901023 |  | Tubing collar position sensing   | 166/255.1 | 166/66;  | Smith; Michael              |

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|--------------|-------|----------|--|--|------------|--|--------------------------------|
| A            |       |          |  | apparatus, and associated methods, for use with a snubbing unit                                    |            | 166/66.5   | L.                             |
| US 4960567 A | USPAT | 19901002 |  | Apparatus for analyzing fluid inclusions   | 422/83     | 422/78   | Smith; Michael P.              |
| US 4953500 A | USPAT | 19900904 |  | Door system for large primate caging   | 119/481    | 49/360   | Savage-Rumbaugh; E. Sue et al. |
| US 4949977 A | USPAT | 19900821 |  | Game with table top and wall supported game boards   | 273/261    | 273/408;<br>273/409  | Smith; Michael J.              |
| US 4942593 A | USPAT | 19900717 |  | Telecommunications interface with improved jitter reporting  | 375/372    | 327/100  | Whiteside; Frank A. et al.     |
| US 4938790 A | USPAT | 19900703 |  | Herbicidal 12-substituted 12H-dibenzo(D,G)(1,3)dioxocin-6-carboxylic acids                         | 504/291    | 504/166;<br>504/176;<br>549/336;<br>549/346;<br>549/349  | Smith; Michael G. et al.       |
| US 4937157 A | USPAT | 19900626 |  | Toner and developer compositions with charge enhancing additives                                   | 430/108.2  |  | Haack; John L. et al.          |
| US 4927508 A | USPAT | 19900522 |  | Alkyl 2-fluoro-1-methoxyethylcarbamates  | 205/435    |  | Renga; James M. et al.         |
| US 4927458 A | USPAT | 19900522 |  | Method for improving the toughness of brittle materials fabricated by powder metallurgy techniques | 75/246     | 419/23;<br>419/6;<br>75/245  | Blackburn; Martin J. et al.    |
| US 4920698 A | USPAT | 19900501 |  | Powered sliding truck cab window   | 49/380     | 49/125;<br>49/362  | Friese; Donald E. et al.       |
| US 4919092 A | USPAT | 19900424 |  | In-line cylinder head for internal combustion engine   | 123/188.14 | 123/193.5;<br>123/306;<br>123/661  | Smith, Jr.; Richard W. et al.  |
| US 4916314 A | USPAT | 19900410 |  | Method and apparatus for analyzing components of selected fluid inclusions                         | 250/307    | 250/310;<br>250/399;<br>250/442.11   | Smith; Michael P.              |
| US 4898831 A | USPAT | 19900206 |  | Method and apparatus for analyzing fluid inclusions  | 436/32     | 436/29;<br>436/31  | Smith; Michael P.              |
| US D305673 S | USPAT | 19900123 |  | Emergency vehicle warning sign   | D20/42     |  | Davidson; Paul J. et al.       |
| US H000705 H | USPAT | 19891107 |  | Process for making smoke producing composition   | 149/109.6  | 149/19.6;<br>149/19.92;<br>149/2;<br>149/21;<br>149/29;<br>149/30;<br>149/61;<br>149/7;<br>264/3.4 | Selzer; Joel H. et al.         |
| US 4875780 A | USPAT | 19891024 |  | Method and apparatus for inspecting reticles   | 356/446    | 356/237.2  | Moran; Kevin E. et al.         |
| US 4874465 A | USPAT | 19891017 |  | Tissue products containing sliced fibers   | 162/111    | 162/1;<br>162/100;   | Cochrane; Faith E. et al.      |

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|                 |       |          |  |   |           | 162/141;<br>162/142;<br>162/150;<br>162/9  |                               |
| US 4872151<br>A | USPAT | 19891003 |  | Compact disc player capable of playing plural selections recorded on a compact disc in a preselected sequence | 369/14    | 360/72.1;<br>360/72.2;<br>369/30.23;<br>369/30.37;<br>369/47.54;<br>369/52.1;<br>369/83          | Smith; Michael A.             |
| US 4872110<br>A | USPAT | 19891003 |  | Storage of input/output command timeout and acknowledge responses   | 714/55    |  | Smith; Michael D. et al.      |
| US 4870348<br>A | USPAT | 19890926 |  | Markers for readout and delta-parameter measurements on a quasi-3-dimensional display of a spectrum           | 324/76.19 | 324/76.39;<br>324/76.55  | Smith; Michael D. et al.      |
| US 4866301<br>A | USPAT | 19890912 |  | Controlled slew peak detector   | 327/60    | 327/58;<br>327/91  | Smith; Michael D.             |
| US 4860395<br>A | USPAT | 19890829 |  | Water-cooled lounging pad   | 5/420     | 156/275.1;<br>156/380.6;<br>165/46;<br>5/421; 5/668;<br>5/675; 5/686;<br>5/902; 5/938;<br>D6/596 | Smith; Michael G.             |
| US 4857767<br>A | USPAT | 19890815 |  | High-density low-power circuit for sustaining a precharge level   | 326/45    | 326/83;<br>326/98  | Little; Wendell L. et al.     |
| US 4856351<br>A | USPAT | 19890815 |  | Sample chamber and system for analyzing fluid inclusions  | 73/863.21 | 356/36;<br>73/864;<br>73/864.41;<br>73/864.91  | Smith; Michael P. et al.      |
| US 4854027<br>A | USPAT | 19890808 |  | Manufacture of impact printing ribbon cartridge   | 29/434    | 400/196.1;<br>400/208;<br>400/216.1;<br>400/240.4  | Smith; Michael J. et al.      |
| US 4850896<br>A | USPAT | 19890725 |  | Coupling arrangements   | 439/489   | 403/27;<br>411/14;<br>439/362  | Smith; Michael S. et al.      |
| US 4847757<br>A | USPAT | 19890711 |  | Interleaved access to global memory by high priority source   | 710/114   |  | Smith; Michael                |
| US 4845267<br>A | USPAT | 19890704 |  | Alkyl 2-fluoro-1-methoxyethylcarbamates   | 560/160   | 560/161;<br>562/555  | Renga; James M. et al.        |
| US 4843961<br>A | USPAT | 19890704 |  | Stencil printing with vacuum support frame  | 101/127.1 | 101/128.4  | Smith; Michael S.             |
| US 4843679<br>A | USPAT | 19890704 |  | X-hinge having the bendable strip ends crimped between two plates   | 16/227    | 16/252;<br>16/382;<br>16/DIG.40;<br>160/231.1;   | Maidment; Robert A. M. et al. |

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|                 |       |          |  |  |           | 29/11;<br>403/51  |                               |
| US 4842652<br>A | USPAT | 19890627 |  | Method for improving fracture toughness of high strength titanium alloy  | 148/671   |   | Smith; Michael P. et al.      |
| US 4839893<br>A | USPAT | 19890613 |  | Telecommunications FIFO  | 370/506   | 370/509;<br>375/371                                     | Smith; Michael D.             |
| US 4839806<br>A | USPAT | 19890613 |  | Computerized dispensing of medication  | 700/231   |   | Goldfischer; Jerome D. et al. |
| US 4821373<br>A | USPAT | 19890418 |  | Resilient hinge having S-shaped members and a releasable catch   | 16/227    | 16/292;<br>16/297;<br>16/327;<br>160/231.1              | Maidment; Robert A. M. et al. |
| US 4819653<br>A | USPAT | 19890411 |  | Multi-function fluid communication control system  | 600/486   | 251/129.03;<br>600/561                                  | Marks; Lloyd A.               |
| US 4813731<br>A | USPAT | 19890321 |  | Release mechanism  | 294/82.33 | 114/252;<br>24/601.5;<br>294/82.27                      | Smith; Michael                |
| US 4806196<br>A | USPAT | 19890221 |  | Bead crimping and handling system  | 156/422   | 140/88;<br>72/148                                       | Smith; Michael W. et al.      |
| US 4803909<br>A | USPAT | 19890214 |  | Apparatus and method for automated braiding of square rope and rope product produced thereby                                 | 87/6      | 87/29; 87/50;<br>87/8                                   | Smith; Michael F.             |
| US 4800737<br>A | USPAT | 19890131 |  | Automotive air conditioning system accumulator with refrigerant processing cartridge including evaporator pressure regulator | 62/503    | 62/217;<br>62/474                                       | Smith; Michael D. et al.      |
| US 4797906<br>A | USPAT | 19890110 |  | Nondestructive method for analyzing total porosity of thin sections  | 378/44    | 250/255;<br>250/269.1;<br>378/48;<br>378/50             | Smith; Michael P.             |
| US 4789280<br>A | USPAT | 19881206 |  | Tooling assembly for automatic tool changing   | 409/233   | 408/118;<br>408/36;<br>408/42;<br>409/231               | Dobat; Daniel F. et al.       |
| US 4784153<br>A | USPAT | 19881115 |  | Method of and apparatus for detecting cardiac rhythm disturbance   | 600/514   | 600/509;<br>600/515;<br>600/516;<br>600/517;<br>600/521 | Marks; Lloyd A.               |
| US 4780983<br>A | USPAT | 19881101 |  | Fishing rod storage apparatus  | 43/54.1   | 43/57.1   | Smith; Michael W.             |
| US 4775865<br>A | USPAT | 19881004 |  | Emergency vehicle warning and traffic control system   | 340/906   |   | Smith; Michael R. et al.      |
| US 4773382<br>A | USPAT | 19880927 |  | Head for high performance internal combustion engine   | 123/661   | 123/193.5   | Smith, Jr.; Richard W. et al. |
| US 4761904      | USPAT | 19880809 |  | Label holder   | 40/308    | 40/661.09;  | Fast; Jacob et al.            |



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| A               |       |          |  |  |           | 40/665  |                                     |
| US 4759813<br>A | USPAT | 19880726 |  | Process for forming and crimping a bead  | 156/136   | 140/88;<br>72/148   | Banas; Mark D.<br>et al.            |
| US 4746801<br>A | USPAT | 19880524 |  | Method and apparatus for differentiating low porosity limestones from high porosity gas sands    | 250/269.7 | 250/262;<br>250/269.8;<br>376/162;<br>376/163;<br>376/165 | Smith, Jr.;<br>Harry D. et al.      |
| US 4729826<br>A | USPAT | 19880308 |  | Temperature controlled catalytic demetallization of hydrocarbons                                 | 208/211   | 208/216PP;<br>208/216R;<br>208/251H;<br>208/254H          | Lindsay; David<br>A. et al.         |
| US 4729676<br>A | USPAT | 19880308 |  | Impact printing apparatus and ribbon cartridges  | 400/196.1 | 400/208;<br>400/216.1;<br>400/240.4                       | Smith; Michael<br>J. et al.         |
| US 4729531<br>A | USPAT | 19880308 |  | Alignment bracket for coaxial cables   | 248/68.1  | 174/135;<br>248/73  | Smith; Michael<br>G. et al.         |
| US 4727486<br>A | USPAT | 19880223 |  | Hardware demand fetch cycle system interface   | 711/208   |   | Smith; Michael<br>D. et al.         |
| US 4716020<br>A | USPAT | 19871229 |  | Titanium aluminum alloys containing niobium, vanadium and molybdenum                             | 420/418   | 148/407;<br>420/420                                       | Blackburn;<br>Martin J. et al.      |
| US 4714843<br>A | USPAT | 19871222 |  | Semiconductor chip power supply monitor circuit arrangement                                      | 327/91    | 327/77;<br>330/9  | Smith; Michael<br>D.                |
| US 4700778<br>A | USPAT | 19871020 |  | Wet connector for use with drill pipe conveyed logging apparatus                                 | 166/254.2 | 166/378;<br>166/65.1                                      | Smith; Michael<br>L. et al.         |
| US 4700731<br>A | USPAT | 19871020 |  | Foldable shade structure   | 135/139   | 108/115;<br>135/117;<br>248/434                           | Smith; Michael<br>K.                |
| US 4692074<br>A | USPAT | 19870908 |  | Tool coupling arrangement for a tooling assembly   | 409/233   | 408/118;<br>408/36;<br>408/42;<br>409/231                 | Smith; Michael<br>D. et al.         |
| US 4686948<br>A | USPAT | 19870818 |  | Head for high performance internal combustion engine   | 123/193.5 | 123/188.14;<br>123/306;<br>123/661                        | Smith, Jr.;<br>Richard W. et<br>al. |
| US 4678044<br>A | USPAT | 19870707 |  | Tubing pressure operated initiator for perforating in a well borehole                            | 175/4.52  | 175/4.54  | Luke; Robert R.<br>et al.           |
| US 4678037<br>A | USPAT | 19870707 |  | Method and apparatus for completing a plurality of zones in a wellbore                           | 166/299   | 166/376   | Smith; Michael<br>B.                |
| US 4658435<br>A | USPAT | 19870414 |  | Radio trunking system with transceivers and repeaters using special channel acquisition protocol | 455/17    | 370/462;<br>455/509;<br>455/517;<br>455/77                | Childress;<br>Jeffrey S. et al.     |
| US 4657455<br>A | USPAT | 19870414 |  | Concrete machine tools   | 409/235   | 384/12;<br>384/907;<br>384/907.1;<br>384/913;<br>408/234; | Rogers; Albert<br>J. et al.         |

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|                 |       |          |  |   |          | 82/147   |                              |
| US 4649817<br>A | USPAT | 19870317 |  | Stencil manufacturing and printing process                            | 101/129  | 101/126;<br>101/128.4  | Smith; Michael S.            |
| US 4629001<br>A | USPAT | 19861216 |  | Tubing pressure operated initiator for perforating in a well borehole | 166/297  | 175/4.52;<br>175/4.56  | Miller; Carl B. et al.       |
| US 4626302<br>A | USPAT | 19861202 |  | Tire building apparatus and method                                    | 156/133  | 156/135;<br>156/398;<br>156/414;<br>156/417  | Casey; William R. et al.     |
| US 4622194<br>A | USPAT | 19861111 |  | Process for forming concrete machine tools                            | 264/162  | 248/679;<br>264/264;<br>264/317;<br>264/333;<br>384/42;<br>384/907;<br>409/235;<br>451/41;<br>82/149 | Rogers; Albert J. et al.     |
| US 4619304<br>A | USPAT | 19861028 |  | Hinges  | 160/135  | 16/226;<br>16/227  | Smith; Michael T.            |
| US 4614268<br>A | USPAT | 19860930 |  | Bead transporting container   | 206/304  | 206/.82;<br>206/445;<br>206/454  | Chlebina; Lawrence E. et al. |
| US D283531<br>S | USPAT | 19860422 |  | Sailboard hull  | D21/769  |  | Smith; Michael S.            |
| US 4584532<br>A | USPAT | 19860422 |  | Switched capacitor envelope detector                                  | 327/554  | 327/558;<br>327/561  | Duehren; David W. et al.     |
| US 4548211<br>A | USPAT | 19851022 |  | Computer assisted admittance plethysmograph                           | 600/507  | 600/506  | Marks; Lloyd A.              |
| US 4533464<br>A | USPAT | 19850806 |  | Teeter bed zone density control device and method                     | 209/158  | 209/172.5;<br>209/454;<br>209/496  | Smith; Michael J. et al.     |
| US D279315<br>S | USPAT | 19850618 |  | Baseboard drainage collecting channel                                 | D25/119  |  | Smith; Michael F.            |
| US 4522283<br>A | USPAT | 19850611 |  | Noise measurement   | 181/175  | 181/242  | Smith; Michael J. T.         |
| US 4516082<br>A | USPAT | 19850507 |  | Amplifier circuit for minimizing output voltage power-up transients   | 330/296  | 330/253;<br>330/261  | Smith; Michael D. et al.     |
| US 4511194<br>A | USPAT | 19850416 |  | Magazine and disc holders for supporting discs in the magazine        | 312/9.54 | 206/309;<br>211/40;<br>211/41.12;<br>312/187;<br>312/312;<br>D6/407                                  | Park; George et al.          |
| US 4504747<br>A | USPAT | 19850312 |  | Input buffer circuit for receiving multiple level input voltages      | 326/70   | 326/83   | Smith; Michael D. et al.     |
| US 4496858<br>A | USPAT | 19850129 |  | Frequency to voltage converter  | 327/102  | 327/337;<br>330/107;<br>330/9  | Smith; Michael D.            |
| US 4490476      | USPAT | 19841225 |  | Catalyst for the preparation of                                       | 502/203  | 502/208  | Piccolini;                   |

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| A               |       |          |  | .alpha.,.beta.-unsaturated compounds  |           |  | Richard J. et al.          |
| US 4478282<br>A | USPAT | 19841023 |  | Height control technique in hydraulic fracturing treatments                 | 166/281   | 138/157;<br>138/159;<br>138/167;<br>138/89;<br>138/97;<br>138/99;<br>166/280.1;<br>166/308.1 | Nolte; Kenneth G. et al.   |
| US 4476200<br>A | USPAT | 19841009 |  | Galvanic cell and sealing and insulation member therefor                    | 429/56    | 429/174;<br>429/185  | Markin; Charles et al.     |
| US 4467935<br>A | USPAT | 19840828 |  | Random coil ultrasonic seal   | 220/214   | 220/265;<br>220/288  | Backer; Simon et al.       |
| US 4465120<br>A | USPAT | 19840814 |  | Inclined wheel and belt casting machine                                     | 164/482   | 164/433  | Smith; Michael C. et al.   |
| US 4461991<br>A | USPAT | 19840724 |  | Current source circuit having reduced error                                 | 323/312   | 323/315;<br>327/535  | Smith; Michael D.          |
| US 4458863<br>A | USPAT | 19840710 |  | Strut supported inlet   | 244/54    | 239/265.29;<br>244/53B   | Smith; Michael A.          |
| US 4438880<br>A | USPAT | 19840327 |  | Ultrasonic wire bond touchdown sensor                                       | 228/1.1   | 228/110.1  | Smith; Michael C. et al.   |
| US 4434848<br>A | USPAT | 19840306 |  | Maximizing fracture extension in massive hydraulic fracturing               | 166/308.1 |  | Smith; Michael B.          |
| US 4428057<br>A | USPAT | 19840124 |  | Electronic chart system   | 701/207   | 342/451;<br>701/219  | Setliff; Jerry et al.      |
| US 4428052<br>A | USPAT | 19840124 |  | Navigational aid autopilot  | 701/117   | 701/207;<br>701/217;<br>701/224;<br>701/225  | Robinson; Eugene A. et al. |
| US 4425550<br>A | USPAT | 19840110 |  | Charge pump amplifier   | 330/107   |  | Smith; Michael D. et al.   |
| US 4421154<br>A | USPAT | 19831220 |  | Fail safe air wipe  | 164/158   | 15/256.51;<br>15/309.1;<br>15/316.1;<br>164/433  | Smith; Michael C.          |
| US 4416026<br>A | USPAT | 19831122 |  | Multi-purpose mechanic's glove  | 2/161.6   | D29/117.1  | Smith; Michael C.          |
| US 4415283<br>A | USPAT | 19831115 |  | Shorthand machine having active tactile feedback                            | 400/94    |  | Smith; Michael A.          |
| US 4410813<br>A | USPAT | 19831018 |  | High speed CMOS comparator circuit  | 327/85    | 327/535  | Barker; Charles E. et al.  |
| US 4408918<br>A | USPAT | 19831011 |  | Halfspace control system for electronic typewriter with correction register | 400/697.1 | 400/144.2;<br>400/303  | Smith; Michael H.          |
| US 4408915<br>A | USPAT | 19831011 |  | Reverse tab control system for typewriters                                  | 400/290   | 400/279;<br>400/479  | Smith; Michael H.          |
| US 4396642<br>A | USPAT | 19830802 |  | Hydrolytically stabilized polarizer   | 427/493   | 156/273.3;<br>156/278;<br>427/163.1;   | Bolt; Lawrence et al.      |

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|                 |       |          |  |   |            | 427/229;<br>522/153   |                                 |
| US 4393933<br>A | USPAT | 19830719 |  | Determination of maximum fracture pressure              | 166/250.1  | 166/308.1   | Nolte; Kenneth G. et al.        |
| US 4388375<br>A | USPAT | 19830614 |  | Polyester based polarizer                               | 428/423.7  | 156/229;<br>156/244.24;<br>156/272.2;<br>156/280;<br>349/96;<br>359/490;<br>428/483;<br>428/520;<br>428/522 | Hopper;<br>Michael J. et al.    |
| US 4376583<br>A | USPAT | 19830315 |  | Surface inspection scanning system                      | 356/237.2  | 250/559.47;<br>356/431  | Alford; W. Jerry et al.         |
| US 4374805<br>A | USPAT | 19830222 |  | Reductants for reducing metals in acid media            | 423/10     | 423/138;<br>423/20;<br>423/21.1;<br>423/321.2;<br>423/53;<br>423/62;<br>423/8                               | Worthington;<br>Ralph E. et al. |
| US 4372601<br>A | USPAT | 19830208 |  | Air drag reducing tail gate                             | 296/50     |   | Smith; Michael C.               |
| US 4372380<br>A | USPAT | 19830208 |  | Method for determination of fracture closure pressure   | 166/250.1  | 166/308.1;<br>73/152.38;<br>73/152.39;<br>73/152.51   | Smith; Michael B. et al.        |
| US 4364242<br>A | USPAT | 19821221 |  | Method of refrigeration and a refrigeration system      | 62/99      | 62/201;<br>62/434   | Smith; Michael V. B.            |
| US 4361296<br>A | USPAT | 19821130 |  | Uniflange coupling assembly                             | 244/54     | 248/557;<br>60/226.1;<br>60/797   | Hall; Leslie G. et al.          |
| US 4356139<br>A | USPAT | 19821026 |  | Method for lubricating cable in a dry curing system     | 264/171.19 | 264/173.11;<br>264/213;<br>264/255;<br>264/300;<br>264/347  | Rowland;<br>Bobby A. et al.     |
| US 4354102<br>A | USPAT | 19821012 |  | Cursor apparatus for interactive graphic display system | 250/203.1  | 345/165   | Burns; Richard H. et al.        |
| US 4298571<br>A | USPAT | 19811103 |  | Incubator including cover means for an analysis slide   | 422/65     | 119/317;<br>422/104;<br>422/64  | DiFulvio;<br>Anthony P. et al.  |
| US 4296070<br>A | USPAT | 19811020 |  | Slide distributor for a chemical analyzer               | 422/65     | 422/64  | Montalto;<br>Michael S. et al.  |
| US 4296069<br>A | USPAT | 19811020 |  | Apparatus for processing an analysis slide              | 422/64     | 119/317;<br>422/65  | Smith; Michael R. et al.        |
| US 4294615<br>A | USPAT | 19811013 |  | Titanium alloys of the TiAl type                        | 420/420    |   | Blackburn;<br>Martin J. et al.  |
| US 4292077      | USPAT | 19810929 |  | Titanium alloys of the Ti.sub.3 Al                      | 420/418    | 148/669;  | Blackburn;                      |

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| A               |       |          |  | type  |           | 420/420   | Martin J. et al.                  |
| US 4286246<br>A | USPAT | 19810825 |  | Heat-up/cool-down bimetal timer for electric toaster  | 337/94    | 219/413;<br>411/437;<br>411/528;<br>968/801;<br>968/DIG.1 | Jacques, Jr.;<br>Joseph L. et al. |
| US 4284922<br>A | USPAT | 19810818 |  | Linear beam microwave amplifier having section comprising three resonant coupled circuits two of which are resonant cavities which interact with the beam | 315/5.39  | 315/39.53;<br>315/5.43;<br>315/5.53                       | Perring; Dudley<br>et al.         |
| US 4282298<br>A | USPAT | 19810804 |  | Layered imaging member and method   | 430/58.15 |   | Smith; Michael<br>et al.          |
| US 4274846<br>A | USPAT | 19810623 |  | Particle sizing sampler   | 73/863.22 | 55/319;<br>55/446;<br>55/465;<br>73/28.05                 | Smith; Michael<br>L.              |
| US 4274273<br>A | USPAT | 19810623 |  | Temperature control in hot strip mill   | 72/8.5    | 700/153;<br>72/10.4;<br>72/201                            | Fapiano;<br>Donald J. et al.      |
| US 4255172<br>A | USPAT | 19810310 |  | Jet impaction preseparator  | 73/863.22 | 55/319;<br>55/446;<br>55/465;<br>73/28.05                 | Smith; Michael<br>L.              |
| US 4250887<br>A | USPAT | 19810217 |  | Remote manual injecting apparatus   | 600/432   | 604/150;<br>604/181                                       | Dardik; Herbert<br>et al.         |
| US 4247208<br>A | USPAT | 19810127 |  | Electrical stenographic machine   | 400/94    |   | Fulkerson;<br>Bennie C. et al.    |
| US 4244743<br>A | USPAT | 19810113 |  | Sulfur containing refractory for resisting reactive molten metals   | 501/123   | 501/127;<br>501/152;<br>501/153                           | Blackburn;<br>Martin J. et al.    |
| US 4228208<br>A | USPAT | 19801014 |  | Composite material of facing layer and pile key fabric  | 428/95    | 428/85;<br>428/86;<br>428/92;<br>428/96;<br>428/97        | Smith; Michael<br>D. et al.       |
| US 4205875<br>A | USPAT | 19800603 |  | Roof vent window  | 296/218   | 454/136   | Smith; Michael<br>W.              |
| US 4177327<br>A | USPAT | 19791204 |  | Metal-air battery having electrically operated air access vent cover  | 429/27    | 429/72  | Mathews; John<br>P. et al.        |
| US 4158715<br>A | USPAT | 19790619 |  | Laser recording film with opaque coating  | 428/412   | 369/275.1;<br>427/145;<br>428/463;<br>428/480;<br>428/913 | Smith; Michael<br>R. et al.       |
| US 4158201<br>A | USPAT | 19790612 |  | Flat electro optic display panel and method of using same   | 345/84    | 359/242;<br>359/259;<br>359/323;<br>365/109;              | Smith; Michael<br>R. et al.       |

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| US 4152590<br>A | USPAT | 19790501 |  | Simultaneous thermal neutron decay time and porosity logging system  | 250/264 | 250/266;<br>250/269.2   | Smith, Jr.;<br>Harry D. et al.       |
| US 4142656<br>A | USPAT | 19790306 |  | Drop former utilizing gas pressure   | 222/325 | 222/401;<br>222/420;<br>422/930                                   | Smith; Michael<br>R. et al.          |
| US 4140141<br>A | USPAT | 19790220 |  | Foldable frame apparatus   | 135/136 | 135/909;<br>16/DIG.13   | Marks; Lloyd<br>A.                   |
| US 4134011<br>A | USPAT | 19790109 |  | Earth formation porosity log using measurement of fast neutron energy spectrum   | 250/264 | 250/265;<br>250/269.4;<br>250/269.5                               | Smith, Jr.;<br>Harry D. et al.       |
| US 4126023<br>A | USPAT | 19781121 |  | Tamperproof locking and latching mechanism for rotatable controls  | 70/177  | 137/385;<br>251/104;<br>251/110;<br>251/288;<br>70/180;<br>70/212 | Smith; Michael<br>E. et al.          |
| US 4122853<br>A | USPAT | 19781031 |  | Infrared laser photocoagulation device   | 606/4   | 604/37;<br>606/11;<br>606/15;<br>606/19                           | Smith; Michael<br>R.                 |
| US 4122340<br>A | USPAT | 19781024 |  | Pulsed neutron porosity logging system   | 250/264 | 250/265;<br>250/269.4;<br>250/269.5                               | Smith, Jr.;<br>Harry D. et al.       |
| US 4122339<br>A | USPAT | 19781024 |  | Earth formation pulsed neutron porosity logging system utilizing epithermal neutron and inelastic scattering gamma ray detectors | 250/264 | 250/265;<br>250/269.2   | Smith, Jr.;<br>Harry D. et al.       |
| US 4118544<br>A | USPAT | 19781003 |  | Metal-air depolarized cell having restricted gas passageway  | 429/27  | 29/623.1;<br>429/162;<br>429/52                                   | Przybyla;<br>Franciszek J. et<br>al. |
| US D249708<br>S | USPAT | 19780926 |  | Sample cup for analysis of biological fluids   | D24/224 | 24/55; 24/99  | Smith; Michael<br>R. et al.          |
| US 4112198<br>A | USPAT | 19780905 |  | Metal-air depolarized cell with restricted water vapor access  | 429/27  |   | Przybyla;<br>Franciszek J. et<br>al. |
| US 4101581<br>A | USPAT | 19780718 |  | Preparation of azines by a cascade system  | 564/249 |   | Needham; Brian<br>John et al.        |
| US 4092536<br>A | USPAT | 19780530 |  | Method for detecting cement voids or borehole washouts   | 250/265 | 250/266   | Smith; Michael<br>P.                 |
| US 4078816<br>A | USPAT | 19780314 |  | Hydraulically driven two-wheeled pedicab   | 280/216 | 74/551.8  | Smith; Michael<br>Sean               |
| US 4066822<br>A | USPAT | 19780103 |  | Self sealing microporous membrane for electrochemical cells and method of forming same   | 429/27  |   | Przybyla;<br>Franciszek J. et<br>al. |
| US 4060445<br>A | USPAT | 19771129 |  | Building drum for tires and cylindrical articles having axially spaced beads   | 156/414 | 156/132;<br>156/401;<br>242/571.1;                                | Houck; Staley J.<br>et al.           |

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|                 |       |          |  |  |           | 242/576.1;<br>279/2.08  |                                    |
| US 4057454<br>A | USPAT | 19771108 |  | Mandrel for fabricating an air spring  | 156/401   | 242/571.1;<br>242/575;<br>242/576.1;<br>279/2.07;<br>279/2.24 | Smith; Michael W. et al.           |
| US 4051063<br>A | USPAT | 19770927 |  | Storage of material  | 588/15    | 427/528;<br>976/DIG.378                                       | Nelson; Richard Stuart et al.      |
| US 4020719<br>A | USPAT | 19770503 |  | Securing a coupling to a hose  | 81/9.3    | 29/237  | Houck; Stanley J. et al.           |
| US 3989565<br>A | USPAT | 19761102 |  | Tire building machine server   | 156/133   | 156/406.4;<br>226/156;<br>83/508                              | Appleby; Paul E. et al.            |
| US 3979300<br>A | USPAT | 19760907 |  | Three frequency modulated combination thermal neutron lifetime log and porosity                      | 250/265   | 250/269.5   | Paap; Hans J. et al.               |
| US 3963715<br>A | USPAT | 19760615 |  | Substituted pyrazines  | 544/336   | 544/406;<br>544/407   | Baer; Donald R. et al.             |
| US 3959152<br>A | USPAT | 19760525 |  | Traction-driven composite sludge raking mechanism for sedimentation tanks                            | 210/530   | 210/531   | Seifert; Jay A. et al.             |
| US 3954217<br>A | USPAT | 19760504 |  | Method and apparatus for bonding and breaking leads to semiconductors                                | 228/110.1 | 228/1.1;<br>257/E21.518                                       | Smith; Michael C.                  |
| US 3909911<br>A | USPAT | 19751007 |  | Method for removing insulating and shielding materials from flat conductors, circuits and components | 29/867    | 30/164.9;<br>81/9.51  | Smith; Michael C. et al.           |
| US 3906224<br>A | USPAT | 19750916 |  | Dual spaced epithermal neutron detector porosity logging with AcBe source                            | 250/264   | 250/266;<br>250/269.4   | Scott; Hubert Dunkerley et al.     |
| US 3870516<br>A | USPAT | 19750311 |  | METHOD OF IMAGING PHOTOCONDUCTOR IN CHANGE TRANSPORT BINDER  | 430/31    | 430/58.05;<br>430/58.15;<br>430/58.25;<br>430/58.7;<br>430/96 | Smith; Michael et al.              |
| US 3818225<br>A | USPAT | 19740618 |  | METHODS FOR THERMAL NEUTRON DIFFUSION COEFFICIENT LOGGING  | 250/264   | 250/266   | Smith; Michael P.                  |
| US 3774033<br>A | USPAT | 19731120 |  | DUAL SPACED EPITHERMAL NEUTRON DETECTOR POROSITY LOGGING   | 250/266   | 250/269.4   | Scott; Hubert D. et al.            |
| US 3728390<br>A | USPAT | 19730417 |  | PREPARATION OF AZINES  | 564/249   | 548/960;<br>564/250;<br>564/251                               | Jenkins; Trevor et al.             |
| US 3712075<br>A | USPAT | 19730123 |  | APPARATUS FOR PERFORMING THE IMMISCIBLE REFRIGERANT FREEZE PROCESS FOR                               | 62/123    | 62/534;<br>62/544   | Smith; Michael John Stapley et al. |

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|                 |       |          |  | PURIFYING WATER  |            |   |                                       |
| US 3654745<br>A | USPAT | 19720411 |  | METHOD OF AND<br>APPARATUS FOR PACKING<br>ARTICLES   | 53/444     | 53/383.1;<br>53/461   | Smith; Michael<br>John et al.         |
| US 3626325<br>A | USPAT | 19711207 |  | PULSED GAS LASER WITH<br>RADIATION COOLING   | 372/34     | 372/61  | Smith; Michael<br>R.                  |
| US 3612399<br>A | USPAT | 19711012 |  | VARIABLE DIRECTIONALLY<br>SILENCED NOZZLE  | 239/265.19 | 181/215;<br>239/265.29;<br>239/265.33;<br>239/265.37;<br>60/226.1                                     | Rodgers; Barry<br>Mansfield et al.    |
| US 3582190<br>A | USPAT | 19710601 |  | HIGH POWER MIRROR  | 359/845    | 165/104.26;<br>165/47;<br>372/34;<br>372/35;<br>372/99  | Smith; Michael<br>R.                  |
| US 3580693<br>A | USPAT | 19710525 |  | BOUNDARY LAYER<br>CONTROL DEVICES  | 416/90R    | 416/20R;<br>416/90A   | Cheeseman; Ian<br>Clifford et al.     |
| US 3527753<br>A | USPAT | 19700908 |  | PROCESS FOR PREPARING A<br>MIXTURE OF<br>ISOHYDRAZONES AND<br>AZINES [TEXT AVAILABLE<br>IN USOCR DATABASE] | 534/565    | 564/248;<br>564/249;<br>564/250;<br>564/251   | NEEDHAM<br>BRIAN JOHN<br>et al.       |
| US 3525230<br>A | USPAT | 19700825 |  | SIZED CRYSTAL<br>CLASSIFICATION [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                   | 62/534     | 62/124;<br>62/535;<br>62/541  | SMITH<br>MICHAEL<br>JOHN<br>STAPLEY   |
| US 3491503<br>A | USPAT | 19700127 |  | METHODS AND APPARATUS<br>FOR FILLING PRESTERILIZED<br>CONTAINERS [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]  | 53/426     | 141/1;<br>141/83;<br>53/167;<br>53/266.1;<br>53/284.7;<br>53/381.4;<br>53/468;<br>53/477              | ASHTON<br>THOMAS<br>RICHARD et<br>al. |
| US 3469940<br>A | USPAT | 19690930 |  | HYDRAZINE RECOVERY<br>PROCESS [TEXT AVAILABLE<br>IN USOCR DATABASE]  | 423/407    | 423/408;<br>521/30;<br>521/32;<br>521/33  | NEEDHAM<br>BRIAN JOHN<br>et al.       |
| US 3459369<br>A | USPAT | 19690805 |  | CENTRIFUGE TEST TUBE CAP<br>[TEXT AVAILABLE IN USOCR<br>DATABASE]  | 494/38     | 220/315;<br>220/582;<br>277/643;<br>277/644;<br>277/910;<br>422/101;<br>422/72;<br>422/918;<br>494/16 | MARKS<br>LLOYD C                      |
| US 3441920<br>A | USPAT | 19690429 |  | MULTI-CORE PER BIT<br>STORAGE ARRAY [TEXT  | 365/84     | 365/132;<br>365/133   | SMITH<br>MICHAEL                      |



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|--------------|-------|----------|--|--|-----------|--|----------------------------|
|              |       |          |  | AVAILABLE IN USOCR DATABASE]   |           |  | CHARLES et al.             |
| US 3330240 A | USPAT | 19670711 |  | Ground effect vehicle [TEXT AVAILABLE IN USOCR DATABASE]                       | 114/67A   | 180/117;<br>180/119;<br>180/128;<br>D12/5  | HARDY<br>DEREK J et al.    |
| US 2963781 A | USPAT | 19601213 |  | Jigs, jig stock and process of making same [TEXT AVAILABLE IN USOCR DATABASE]  | 428/595   |  | SMITH<br>MICHAEL J         |
| US 2408697 A | USPAT | 19461001 |  | Garment hanger attachment [TEXT AVAILABLE IN USOCR DATABASE]                   | 5/605     |  | SMITH<br>MICHAEL F         |
| US 2399578 A | USPAT | 19460430 |  | Lock valve [TEXT AVAILABLE IN USOCR DATABASE]                                  | 208/133   | 208/132;<br>208/7;<br>48/213;<br>48/74;<br>585/503;<br>585/602;<br>585/615;<br>585/955 | SMITH<br>MICHAEL J         |
| US 2354951 A | USPAT | 19440801 |  | Operating mechanism for registering devices [TEXT AVAILABLE IN USOCR DATABASE] | 235/1R    | 235/91R  | ERISMAN<br>ADOLPH C et al. |
| US 2281462 A | USPAT | 19420428 |  | Nail file [TEXT AVAILABLE IN USOCR DATABASE]                                   | 132/76.4  | 132/104;<br>D28/25;<br>D28/59  | SMITH<br>MICHAEL F         |
| US 2259065 A | USPAT | 19411014 |  | Watchman's clock [TEXT AVAILABLE IN USOCR DATABASE]                            | 346/17    | 346/134  | ERISMAN<br>ADOLPH C et al. |
| US 1743065 A | USPAT | 19300107 |  | Drain opener [TEXT AVAILABLE IN USOCR DATABASE]                                | 15/104.33 | 15/104.16  | SMITH<br>MICHAEL B         |
| US 1561436 A | USPAT | 19251110 |  | Plumbing connection [TEXT AVAILABLE IN USOCR DATABASE]                         | 285/129.1 | 285/58;<br>4/DIG.7   | SMITH<br>MICHAEL J         |
| US 1460986 A | USPAT | 19230703 |  | Plumbing connection [TEXT AVAILABLE IN USOCR DATABASE]                         | 285/179   | 285/58;<br>4/211   | SMITH<br>MICHAEL J         |
| US 1460451 A | USPAT | 19230703 |  | Concrete-pipe machine [TEXT AVAILABLE IN USOCR DATABASE]                       | 425/181   | 425/186;<br>425/453;<br>425/468  | SMITH<br>MICHAEL J         |
| US 1368822 A | USPAT | 19210215 |  | Transmission-lock for automobiles [TEXT AVAILABLE IN USOCR DATABASE]           | 74/343    | 192/219  | SMITH<br>MICHAEL<br>JOHN   |
| US 1359543 A | USPAT | 19201123 |  | Concrete-pipe machine [TEXT AVAILABLE IN USOCR DATABASE]                       | 425/414   | 425/426;<br>425/447  | SMITH<br>MICHAEL J         |